SHERRY V. NELSON

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Education

2002	Harvard University, Ph.D. Anthropology, ("Faunal and Environmental Change
	Surrounding the Extinction of Sivapithecus, a Miocene Hominoid, in the Siwaliks
	of Pakistan," David Pilbeam, advisor)

Duke University, B.S. Biology (with a concentration in evolutionary biology) / Biological Anthropology and Anatomy, *cum laude*

Recent and Current Positions

2015-current	Associate Professor, University of New Mexico, Department of Anthropology
2007-2015	Assistant Professor, University of New Mexico, Department of Anthropology
2005-2007	Assistant Professor, Boston University, Department of Anthropology
2004-2007	Department Affiliate, Harvard University, Department of Anthropology
2002-2004	Postdoctoral research associate, University of Michigan, Museum of Paleontology

Grants, Fellowships, and Awards

2017	Resource Allocations Committee Grant, University of New Mexico, Modeling
	early human paleoecology through stable isotope analyses of chimpanzee habitats
	and forest stratification, \$9,755
2016	Nominated, Outstanding Teacher of the Year, University of New Mexico
2015	Office of the Vice President of Research Equipment Fund, University of New
	Mexico, Equipment Request Paleoecology Laboratory, \$15,000
2014-2017	National Science Foundation, Developmental integration and the ecology of life
	histories in phylogenetic perspective, M.N. Muller (PI), S.V. Nelson (co-PI), M.
	Emery Thompson (co-PI), and R.W. Wrangham (co-PI), \$221,004
2013	University of New Mexico 2013 Top-Ten Research Stories
2012	Research Allocations Committee grant University of New Mexico, Isotopic and
	phytolith analyses of chimpanzee foods, \$8000
2011	Research Semester Fellowship University of New Mexico
2009	Subcontract with Hans-Walter Mittmann, Staatliches Museum fur Naturekunde
	Karlsruhe, Stable isotopic analyses of Hoewenegg, \$4000
2007	Teaching Allocations Subcommittee grant University of New Mexico, \$4980
2006	International Travel Award Boston University Graduate School of Arts and
	Sciences, \$2210
2004	International Travel Award University of Michigan Museum of Paleontology,
	\$1000

2003	Women's International Science Collaboration (underwritten by NSF), Dental microwear analyses of Hadza diets, \$5000
2003	Scott Turner Award in Earth Science, Intra-tooth isotopic variability of modern equid teeth, \$3000
2003	American School of Prehistoric Research, Isotopic analyses of fauna from Kibale National Park, Uganda, \$4000
2002	American School of Prehistoric Research Award for Outstanding Ph.D. Thesis, \$1000
2001	Mellon Dissertation Completion Fellowship, \$8674
2000	Cora DuBois Fellowship, \$8000
1999	American School of Prehistoric Research Grant, Training in stable isotope ecology, \$2490
1998	American School of Prehistoric Research Grant, Training in dental microwear and analysis of Siwalik fauna, \$571
1997	Distinction in Teaching Award, Harvard University
1996	Distinction in Teaching Award, Harvard University
1995	Mellon Research Grant, Excavation of Kromdraai, a fossil hominid locality, \$3000
1994-1997	National Science Foundation Graduate Research Fellowship, \$43,200 plus tuition
1994	Undergraduate Research Fellowship, Diet and behavior of howler monkeys, Costa Rica, \$2500 plus travel
1993	Pew-Cosen Research Fellowship, Behavior of Black-and-white ruffed lemurs, Duke University Primate Center, \$3200
1990	Delta-Kappa Educational Foundation Scholarship Grant for Prospective Educators

External Funding of Students:

2016	Wenner-Gren Foundation, Tracking dispersal and home range size with
	environmental and faunal strontium isotopes, Marian Hamilton, \$19,980
2016	Leakey Foundation, Assessing philopatry and range size with strontium isotopes,
	Marian Hamilton, \$14,875
2012-2015	National Science Foundation Graduate Research Fellowship, Marian Hamilton

Books Authored

2003 Nelson, S. The Extinction of *Sivapithecus*: Faunal and Environmental Changes Surrounding the Disappearance of a Miocene Hominoid in the Siwaliks of Pakistan. *American School of Prehistoric Research Monograph* 1. Boston: Brill Academic Publishers.

Articles in Refereed Journals

2019 Hamilton, M., S. Nelson , D. Fernandez, and K. Hunt. Detecting riparian habitat preferences in "savannah" chimpanzees and associated fauna with strontium isotope ratios: implications for reconstructing chimpanzee-human last common ancestor habitat use. *American Journal of Physical Anthropology*.

- 2016 Nelson, S. and L. Rook. Isotopic reconstructions of habitat change surrounding the extinction of *Oreopithecus*, the last European ape. *American Journal of Physical Anthropology* 160: 254-271.
- 2014 Nelson, S. The Paleoecology of early Pleistocene *Gigantopithecus blacki* inferred from stable isotopic analyses. *American Journal of Physical Anthropology* 155: 571-578.
- 2013 Nelson, S. Chimpanzee fauna isotopes provide new interpretations of fossil ape and hominin ecologies. *Proceedings of the Royal Society B* 280: 20132324.
- 2011 Bernor, R., T. Kaiser, S. Nelson, and L. Rook. Systematics and paleobiology of *Hippotherium malpassii* n. sp. (Equidae, Mammalia) from the latest Miocene of Baccinello V3 (Tuscany, Italy). *Bollettino della Societa Paleontologica Italiana* 50:175-208.
- 2010 Wolf, D. S. Nelson, H. Schwartz, G. Semprebon, T. Kaiser, and R. Bernor. Taxonomy and paleoecology of the Pleistocene Equidae from Makuyuni, Northern Tanzania. *Palaeodiversity* 3: 249-269.
- 2010 Kaiser, T., C. Seiffert, C. Hertler, L. Fielder, H. Schwartz, S. Frost, L. Giemsch, R. Bernor, D. Wolf, G. Semprebon, S. Nelson, F. Schrenk, K. Harvati, T. Bromage, and C. Sanaane. Makuyuni, a new Lower Paleolithic hominid site in Tanzania. *Mitteilungen Hamburgisches Zoologisches Musuem und Institut* 106: 69-110.
- 2010 Nelson, S. The cooking hypothesis revisited: fresh food for thought. *Evolutionary Psychology* 8: 340-342.
- 2009 Morgan, M, A. Behrensmeyer, C. Badgley, J. Barry, S. Nelson, D. Pilbeam. Lateral trends in carbon isotope ratios reveal a Miocene vegetation gradient in the Siwaliks of Pakistan. *Geology* 37: 103-106.
- 2008 Badgley, C., J. Barry, M. Morgan, S. Nelson, A. Behrensmeyer, T. Cerling, and D. Pilbeam. Ecological changes in Miocene mammalian record show impact of prolonged climatic forcing. *Proceedings of the National Academy of Sciences* 105: 12145-12149.
- 2007 Nelson, S. Isotopic reconstructions of habitat change surrounding the extinction of *Sivapithecus*, a Miocene hominoid, in the Siwalik Group of Pakistan. *Palaeogeography*, *Palaeoclimatology*, *Palaeoecology* 243: 204-222.
- Nelson, S. Paleoseasonality inferred from equid teeth and intra-tooth isotopic variability. *Palaeogeography, Palaeoclimatology, Palaeoecology* 222: 122-144.
- Nelson, S., C. Badgley, and E. Zakem. Microwear in modern squirrels in relation to diet. *Paleontologica Electronica* vol 8, issue 1, 14A, 15p.

Articles in Edited Volumes

- 2017 Nelson, S. and M. Hamilton. Evolution of the human dietary niche initial transitions. In *Chimpanzees and Human Evolution*. Editors M. Muller, R. Wrangham, and D. Pilbeam. Boston: Harvard University Press.
- 2005 Nelson, S. Habitat requirements and the extinction of the Miocene ape, *Sivapithecus*. In Interpreting the Past: Essays on Human, Primate and Mammal Evolution in Honor of David Pilbeam. *American School of Prehistoric Research Monograph*. Boston: Brill Academic Publishers.
- 2005 Badgley, C., S. Nelson, J. Barry, A. Behrensmeyer, and T. Cerling. Testing models of faunal turnover with Neogene mammals from Pakistan. In Interpreting the Past: Essays on Human, Primate and Mammal Evolution in Honor of David Pilbeam. *American School of Prehistoric Research Monograph*. Boston: Brill Academic Press.
- 2004 Bernor, R., T. Kaiser, and S. Nelson. The oldest Ethiopian Hipparion (Equinae, Perissodactyla) from Chorora: systematics, paleodiet, and paleoclimate. Senckenberg Courier Special Volume 246: 213-226.

Invited Talks and Conferences Attended

- 2019 "Differentiating frugivore and folivore diets using Sr/Ca ratios and non-destructive XRF analysis." American Association of Physical Anthropologists, Cleveland, Ohio
- 2018 "Strontium isotopes as indicators of philopatry/ dispersal patterns." M. Hamilton and S. Nelson; American Association of Physical Anthropologists, Austin, Texas
- 2016 "Stable isotopes as a species and anthropogenic indicator in a Gold Rush-era Galapagos tortoise and sea turtle from San Francisco, California." Conrad, Barcelo, Jones, Newsome, Nelson, Seminoff, Bruner, and Pastron. Stable Isotopes in Zooarchaeology, Athens, Georgia
- 2015 "Paleoecology of *Oreopithecus* faunas based on stable isotope analyses." Southwestern Association of Biological Anthropologists, Albuquerque, New Mexico
- 2014 "The use of Bayesian-inference stable isotope mixing models to infer niche breadth in the fossil record: an extant study from Kibale National Park." Hamilton and Nelson. American Association of Physical Anthropologists, Calgary, Canada
- 2014 "How did Late Miocene rodents respond to changes in the grassland biome of southern Asia?" Flynn, Kimura, and Nelson. North American Paleontological Convention, Gainesville, Florida.
- 2013 "Paleoecology of *Gigantopithecus blacki* based on stable isotope analyses." Southwestern Association of Biological Anthropologists, Tempe, Arizona

- 2011 "Stable Isotopic Analyses of New Mexico Mummies with Multiple Tissues." Mitchell, Kieffer, Kitagawa, Mosley, Naranjo, Nelson, Atudorei, and Edgar. American Association of Physical Anthropologists, Minneapolis, Minnesota.
- 2010 "Paleoecology of *Oreopithecus* faunas based on stable isotopic analyses." Nelson and Rook. American Association of Physical Anthropologists, Albuquerque, New Mexico.
- 2009 "Miocene: Dawn and demise of the apes." Seminar series, Department of Earth and Planetary Sciences, University of New Mexico.
- 2009 "Systematics and paleoecology of diverse species of Equidae from the Pleistocene locality of Makayuni, Northern Tanzania." Wolf, Bernor, Kaiser, Nelson, and Semprebon. Society of Vertebrate Paleontology, Great Britain.
- 2009 "Paleoecology of *Oreopithecus bambolii* faunas (Tuscany and Sardinia): stable isotopic analyses results." Rook and Nelson. Regional Committee on Mediterranean Neogene Stratigraphy, Italy.
- 2008 "Reconstructing *Oreopithecus*" paleoecology by means of stable isotopic analyses. Preliminary data." Nelson and Rook. European Fossil Primates Colloquium, Italy.
- 2008 "Reconstructing Miocene hominoid paleoecology." SIBBS (Seminar in Biological and Biomedical Sciences) lecture series, University of New Mexico.
- 2008 "Sivapithecus: the life and death of a Miocene ape." Ancestors Lecture, Maxwell Museum of Anthropology, University of New Mexico.
- 2007 "The extinction of *Sivapithecus*: Faunal and environmental changes surrounding its disappearance in the Siwaliks of Pakistan." University of New Mexico Department of Anthropology.
- 2007 "Dietary reconstructions of the Middle and Late Miocene ungulate communities in the Siwaliks, Pakistan." Belmaker, Nelson, Morgan, Flynn, Barry, Pilbeam, and Badgley. Paleoanthropology Society.
- 2007 "Mesowear analysis of selenodont ungulates in the Middle to Late Miocene of the Siwaliks, Pakistan: dietary and paleoenvironmental implications." Belmaker, Nelson, Morgan, Barry, and Badgley. Society of Vertebrate Paleontology.
- 2006 "Isotopic reconstructions of Late Miocene climate, vegetation, and faunal change in the Siwaliks of Pakistan." International Paleontological Congress, Beijing, China.

- 2006 "Evidence for habitat gradients using lateral variation in stable carbon isotope ratios within the Miocene Siwalik Sequence of Pakistan." Morgan, Behrensmeyer, Badgley, Nelson, and Barry. Society of Vertebrate Paleontology.
- 2004 "A comparison of *Sivapithecus* and modern chimpanzee habitats, and environmental changes associated with the extinction of *Sivapithecus*." International Geological Congress. Florence, Italy.
- 2004 "Dental microwear analyses of *Sivapithecus* and contemporaneous fauna." American Association of Physical Anthropologists.
- 2004 "Testing models of faunal turnover with Neogene mammals from Pakistan." Badgley, Nelson, Barry, Behrensmeyer, and Cerling. Society of Vertebrate Paleontology.
- 2003 "Miocene paleoseasonality inferred from equid teeth and intra-tooth isotopic profiles." Society of Vertebrate Paleontology.
- 2003 "The preferred habitats of *Sivapithecus* in the Siwaliks of Pakistan and paleoenvironmental changes leading to its extinction." Asian Paleoprimatology Symposium. Primate Research Institute of Kyoto University, Japan.
- 2002 "Paleoenvironmental reconstructions with respect to the extinction of *Sivapithecus* in Pakistan." American Association of Physical Anthropologists.
- 2002 "Reconstruction of paleoprecipitation regimes, and associated forests inhabited by *Sivapithecus*." New England Biological Anthropology Symposium.

Field Research

- 2019 Faunal isotopes, Kibale Forest, Uganda
- 2018 Faunal isotopes, Kibale Forest, Uganda
- 2017 Isotopic stratification in rainforest canopy and strontium variability of plants, Kibale Forest, Uganda
- 2016 Isotopic stratification in rainforest canopy, Kibale Forest, Uganda
- 2015 Isotopic stratification in rainforest canopy and strontium variability of plants, Kibale Forest, Uganda
- 2014 Isotopic stratification in rainforest canopy and strontium variability of plants, Kibale Forest, Uganda
- 2004 Chimpanzee behavior and isotopic analyses of fauna, Kibale Forest, Uganda
- 2003 Dental microwear analyses of Hadza diets, Tanzania
- 2002 Chimpanzee behavior and isotopic analyses of fauna, Kibale Forest, Uganda
- 2000 Paleontological survey Siwalik sediments, Pakistan
- 1996 Paleontological excavation Sinap and Pasalar, Turkey
- 1996 Paleontological excavation Can Llobateres, Spain
- 1996 Paleontological survey Siwalik sediments, Pakistan

1995 1994 1994 1994 1993	Diet an Comm Behav Habita Behav	ntological excavation Kromdraai, South Africa nd behavior of howler monkeys, Costa Rica nunication in Carolina Chickadees, North Carolina rior of Black-and-White Ruffed Lemurs, Duke University Primate Center (Natural at Enclosures) rior of Black-and-White Ruffed Lemurs, Duke University Primate Center (Natural at Enclosures)
Teach 2007-0	ning current	Courses at University of New Mexico – Human Emergence; Human Origins; Paleoecology Lab; Paleoanthropology; Primate Evolution; Human Behavioral Evolution; Topics in Paleoecology; Humans and the Environment; Topics in Interdisciplinary Biology and Biomedical Sciences; Guest lectures in Chimpanzees and Human Evolution; Elemental Ecology; Science in Archaeology; Seminar in Interdisciplinary Biology and Biomedical Sciences; Topics: Career Planning
2005-2	2007	Courses at Boston University – Human Behavior and Evolution; Human Origins; Primate Evolution and Anatomy; Advanced Topics in Human Behavioral Evolution; Graduate Proseminar in Anthropology
2003		Instructor at University of Michigan Undergraduate Research Opportunity Program
1999		Instructor, University of Connecticut "Aquanaut" Whale Communication and Oceanography Program
1996-	1998	Teaching Fellow, Harvard University Department of Anthropology Human Evolution
Under	roradue	ate Student Mentoring:
	_	Honor's thesis Kathryn Sokolowski, Ecological factors affecting nursing in
2017		wild chimpanzees
2018-0	current	Laboratory internship Teah Amirkabirian
2017-2		Honor's Thesis – Shayne Halter, Determining relevance of gallery forest
		chimpanzee habitat to early human evolution through stable isotope analyses
2017		Laboratory internship – Danielle Sanchez-Combs
2015-2	2016	Honor's Thesis - Angela Combs, Determining weaning behaviors in wild
		chimpanzees through stable isotope analyses
2015		Laboratory internship – Emma Lathrop
2014		Laboratory internship – Uphoria Blackham

2013-2014	Honor's Thesis – Cybele Carpenter, Measuring Craniofacial Development in Wild Chimpanzees Using Photogammetry, with Implications for Reconstructing Hominin Life History Evolution
2013	Laboratory internship – Sonee Swisley
2013	Laboratory internship – Melissa Sheldahl
2011	Laboratory internship – Nicholas Zamora
2011	Laboratory internship –Jada Patterson
2010-2011	Honor's Thesis – Clayton Pilbro, Comparison of Early Eocene San Juan
	Basin, NM <i>Phenacolemur jepseni</i> with <i>Phenacolemur citatus</i> and <i>Phenacolemur praecox</i> from Bighorn Basin, WY – a study of variation and validity of these
	Phenacolemur species.
2009-2010	Honor's Thesis – Joshua Vallejos, Dental microwear of Kibale primates.
2010	Laboratory internship – Thera McAvoy
2010	Laboratory internship –Oceana Ortiz
2010	Laboratory internship –Kamden Cornell
2009	Laboratory internship – Celeste Schwartz
2008-2009	Honor's Thesis – Judy Hartline, Dental microwear of South African australopithecines.
2007	Laboratory internship – Catherine Mitchell, Boston University
2003-2004	Undergraduate Research Opportunity – Emily Zakem, University of Michigan, Dental microwear of rodents.

Graduate Student Mentoring:

Dissertation advisor:

2012-2018 Marian Hamilton (NSF Graduate Research Fellowship)

2009-2013 Diana Rabenold

2008-2012 Catherine Mitchell (PIBBS scholar)

Master's advisor:

2019-current Joshua Vallejos (co-advising with Bruce Huckell)

Dissertation committee member:

2018-present Stephanie Fox 2018-present Milena Carvalho

2017-present Jessica Gross

2016-present Cyler Conrad

2015-current Katlin Schroeder (Biology) 2014-current Catalina Tome (Biology)

2014-current Kristen Sabbi 2013-current Diana Rabenold

2011- 2015 Muhammad Tariq (Government College University, Lahore, Pakistan)

2011- 2016 Melissa Pardi (Biology)

2001-current Sarah Joyce 2010-2014 Crystal Kieffer

2009	Tim Petersen
2008-2015	Shawn Whiteman (Biology)
2008-2010	Keiko Kitagawa
Professional a	and Community Service
2019	Content advisor, bipedalism display, Maxwell Museum
2019	Human evolution presentation, Albuquerque preschool
2019	STEM mentorship mix and match event for undergraduates
2018	Lead content advisor, human evolution exhibit NSF grant proposal Maxwell
	Museum
2018-2019	Panelist, National Science Foundation Graduate Research Fellowship, Ecology
2018-2019	Search committee, assistant professor position, Department of Anthropology
2018	"Chimpanzees, isotopes, and the transition from ape to human." New Mexico
	Museum of Natural History and Science, Albuquerque, New Mexico
2018	Principles of evolution presentation – five Biology classes, Albuquerque middle school
2018	STEM mentorship mix and match event for undergraduates
2017-2018	Search Committee, assistant professor position, Dept. Anthropology
2017-2018	Sabbatical Committee, University of New Mexico
2017-2018	Panelist, National Science Foundation Graduate Research Fellowship, Ecology
2017	Fossil presentation – Albuquerque preschool
2016-2017	Panelist, National Science Foundation Graduate Research Fellowship, Anthropology
2016	Human evolution and fossil presentation – five Earth Science classes, Albuquerque middle school
2015-2016	Panelist, National Science Foundation Graduate Research Fellowship, Ecology
2015-current	Advisory Group, Department of Anthropology
2015-current	Convener, Evolutionary Anthropology
2014-current	Advisory Committee, Center for Stable Isotopes
2013-current	Continuing non-tenure track faculty review committee
2013	Fossil presentation – Maxwell Museum summer camp
2013	Teeth and Skulls presentation. Albuquerque elementary school
2013-2014	Consultant for documentary "Life Force – Borneo," Natural History New Zealand
2012-2013	Search Committee, assistant professor position, Dept. Anthropology
2012	Science fair. Albuquerque elementary school
2012	Fossil presentation. Albuquerque elementary school
	Resource Allocations Committee, Department of Anthropology, University of New Mexico
2011	"What makes us human? Inferences from the fossil record." Summer Science
2011	Program, Socorro, New Mexico Fossils presentation. Albuquerque elementary school

2010	Café Scientifique. "The human fossil record: interpreting behavior from bones." Four presentations to high school students in Los Alamos, Espanola, Albuquerque, and Santa Fe, New Mexico.
2010	Radio interview for NPR, Pasadena. The discovery of Australopithecus sediba.
2008	"Sivapithecus: Reconstructing the life of a Miocene ape." Summer Science Program, Socorro, New Mexico.
2008	Consultant in workshop to develop new Maxwell Museum human evolution exhibit.
2007 - 2009	University of New Mexico Anthropology departmental seminar series coordinator
2007-2015	Affiliated faculty, Program in Interdisciplinary Biological and Biomedical
	Sciences (PIBBS), University of New Mexico
2007-current	Manager of the University of New Mexico Anthropology cast collection
2006	Mentor, Weston High School Senior Internship Program
2003	Consultant for television series "Miracle Planet – the Evolution of Our World"
1999	Instructor, University of Connecticut "Aquanaut" Whale Communication and
1995-1999	Oceanography Program Earth History and Paleontology (EHAP) seminar series coordinator, Harvard University

Peer reviews:

Granting agencies: National Science Foundation, National Geographic Society, Academy of Finland and the National Natural Science Foundation of China, Petroleum Research Fund (American Chemical Society), Leakey Foundation

Journals: Proceedings of the National Academy of Sciences; Current Biology; PLOS ONE; Palaeogeography, Palaeoclimatology, Palaeoecology; Paleobiology; Journal of Human Evolution; International Journal of Primatology; Human Nature; Journal of Anthropological Research; Journal of Mammalogy; Mammalian Biology; Quaternary International; Anthropological Science; Naturwissenschaften; Journal of Mountain Science; International Journal of Biodiversity and Conservation; The Journal of Animal and Plant Sciences; Pakistan Journal of Zoology