

SCOTT ALAN WILLIAMS

New York University
Rufus D. Smith Hall
25 Waverly Place
New York, NY 10003

CURRICULUM VITAE

Updated 2 February 2022

Phone: 212-992-9583

Email: sawilliams@nyu.edu

Website: <https://as.nyu.edu/faculty/scott-williams.html>

EDUCATION

University of Illinois, Urbana-Champaign	Anthropology	Ph.D., 2011
Dissertation title: <i>Evolution of the hominoid vertebral column</i>		
Northern Illinois University	Anthropology	M.A., 2006
Thesis title: <i>Anatomical variation in the hand and wrist of African apes: evidence for a single origin of knuckle-walking adaptations</i>		
Kent State University	Anthropology, History Arts & Sciences	B.A., 2003 A.A., 2002

CURRENT PROFESSIONAL APPOINTMENTS

08/2018 – present	Associate Professor , Center for the Study of Human Origins, Department of Anthropology, New York University.
08/2018 – present	Director of Graduate Studies , Master of Science Program in Human Skeletal Biology, New York University
09/2011 – present	Core Faculty , New York Consortium in Evolutionary Primatology
05/2021 – present	Honorary Research Fellow , Centre for the Exploration of the Deep Human Journey, University of the Witwatersrand.
05/2014 – present	Honorary Research Affiliate , Evolutionary Studies Institute, University of the Witwatersrand.
10/2018 – present	Member , Center for Skeletal and Craniofacial Biology, College of Dentistry, New York University

PREVIOUS PROFESSIONAL APPOINTMENTS

09/2011 – 2018	Assistant Professor of Anthropology , Center for the Study of Human Origins, Department of Anthropology, New York University.
09/2018 – 2020	Director , MA program, Anthropology (Human Skeletal Biology track)

STUDENTS & POST-DOCTORAL RESEARCHERS

Post-doctoral: Cassandra Turcotte (w/ J. Higham, S. Antón), Gabrielle Russo (2014).

Ph.D.: **Chair:** Monica Avilez, Jeffrey Spear, Xue Wang (advisor); Madelynne Dudas, Julia Galway-Witham, Jordan Guerra (co-advisor w/ S. Antón), Jennifer Eyre (2020), Thomas Cody Prang (2019).
Committee: Audrey Choi, Emma Kozitsky, Elissa Ludeman (all current), Christopher Yelverton (current external co-supervisor; University of the Witwatersrand), Alex DeCasien (2021), Clare Kimock (2021), Elissa Ludeman (2021), Laura Matthews (2021), Glen Paton (2021; external co-supervisor); Catalina Villamil (2017), Ashley Bales (2016), Emily Middleton (2015), Steven Worthington (2012).

Master's: **Primary:** Isabella Araiza, Genevieve Duran, Chris Gomez, Aditi Raghunath, Caitlin Zarate (all current), Ashley Espinoza (2022), ChristiAna Dunham (2021), Julie Lozano (2021), Colin Kasl (2019), Diana Hsu (2018), Tisa Loewen (2018), Stephanie Reyes (2018), Amy Johnson (2015), Molly Miranker (2015), Jennifer Eyre (2014), Thomas Cody Prang (2014), Catalina Villamil (2013).

Committee: Ariel Barrera, Phoebe Halper, Jasmine Hernandez, Saine Hernandez-Burgos, Noe Lomeli, Kerri Mathews, Raelani Miyagi, Fransheska Olivares-Perez, Lane Praise, Akaylia Rose, Lauren Salter, Jeremy Simmons, Alexa Ugarte, Reid Worroll (all current); Marissa Konieczko (2021), Paul Mensah (2021), Pratiwi Yuwono (2021), Sofia Aletta (2020), Ligia Ceja (2020), Isis Dwyer (2019), Helen Alesbury (2018), Madelynne Dudas (2017), Lucia Elgerud (2015), Lauren Petrullo (2015), Aja Lans (2014), Sandra Winters (2014); Amy Beresheim (2013), Maria Darr (2013), Deanna Goldstein (2015; external).

Bachelor's: **Honors Chair:** Tammy Xing (2022), Iris Zeng (2020), Zelda Grove (2015), Deanna Goldstein (2014), Aviva Novick (2013).
Honors Reader: Sergio Calle (2016), Emma Curtis (2015), Shinan Zhou (2014), Elaine Kozma (2013), Ellis Locke (2012).
Dean's Undergraduate Research Fund or other project mentor: Eva-Merce Fuentes, Eileen Hansa, Eden Malinoff, Saul Shukman, Carly Stark (all current), Amanda Lee (2014), Lauren Petrullo (2013), Christina Chopra (2012).

GRADUATE ADVISORS & OTHER MENTORS

John Polk (PhD advisor, UIUC); Charles Roseman (PhD co-advisor, UIUC); Daniel Gebo (MA advisor, Northern Illinois University); Steven Leigh (PhD committee, University of Colorado, Boulder); Lyle Konigsberg (PhD committee, UIUC); Laura Shackelford (PhD committee, UIUC).

PEER-REVIEWED JOURNAL ARTICLES

54. Eyre JE, Semaw S, DeSilva JM, **Williams SA**. Accepted. Unusual pubic bone morphology in A.L. 288-1 (*Australopithecus afarensis*) and MH2 (*Australopithecus sediba*). *American Journal of Biological Anthropology*.
53. Williams SA, Zeng I, Guerra JS, Nalla S, Elliott MC, Hawks J, Berger LR, Meyer MR. Submitted. *Homo naledi* lumbar vertebrae and a new 3D method to quantify vertebral wedging. *American Journal of Biological Anthropology*. <https://doi.org/10.1002/ajpa.24621>
52. Cofran Z, VanSickle C, Valenzuela R, García-Martínez D, Walker CS, Hawks J, Zipfel B, **Williams SA**, Berger LR. 2022. The immature *Homo naledi* ilium from the Lesedi Chamber, Rising Star Cave, South Africa. *American Journal of Biological Anthropology* <https://doi.org/10.1002/ajpa.24522>
51. Williams SA, Zeng I, Paton GJ, Yelverton C, Dunham C, Ostrofsky KR, Shukman S, Avilez MV, Eyre J, Loewen T, Prang TC, Meyer MR. 2022. Inferring lumbar lordosis in Neandertals and other hominins. *PNAS Nexus* 1, pgab005. <https://doi.org/10.1093/pnasnexus/pgab005>
50. López-Rey JM, Cambra-Moo Ó, González Martín A, Candelas González N, Sánchez-Andrés Á, Tawane M, Cazenave M, **Williams SA**, Bastir M, García-Martínez D. 2022. Mineral content analysis in the rib cross-sections of *Homo sapiens* and *Pan troglodytes* and its implications for the study of Sts 14 costal remains. *American Journal of Biological Anthropology*. 177, 784-791. <https://doi.org/10.1002/ajpa.24491>
49. Turcotte CM, Mann EHJ, Stock MK, Villamil CI, Montague MJ, Dickinson E, Cayo Biobank Research Unit, Surratt SB, Martinez M, **Williams SA**, Antón SC, Higham JP. 2022. The ontogeny of sexual dimorphism in free-ranging rhesus macaques. *American Journal of Biological Anthropology*. 177, 314-327. <https://doi.org/10.1002/ajpa.24442>
48. Williams SA, Prang TC, Meyer MR, Nalley TK, Van Der Merwe R, Yelverton C, García-Martínez D, Russo GA, Ostrofsky KR, Eyre J, Grabowski M, Nalla S, Bastir, M, Schmid P, Churchill SE, Berger LR. 2021. A nearly complete lower back of *Australopithecus sediba*. *eLife* 10:e70447. DOI: [10.7554/eLife.70447](https://doi.org/10.7554/eLife.70447)
47. Williams SA, Pilbeam D. 2021. Homeotic change in segment identity derives the human vertebral formula from a chimpanzee-like one. *American Journal of Physical Anthropology* 176, 283-294. <https://doi.org/10.1002/ajpa.24356>
46. Prabhat AM, Miller CK, Prang TC, Spear J, **Williams SA**, DeSilva J. 2021. Homoplasy in the evolution of modern human-like joint proportions in *Australopithecus afarensis*. *eLife* 10:e65897. DOI: [10.7554/eLife.65897](https://doi.org/10.7554/eLife.65897)
45. Prang TC, Ramirez K, Grabowski M, **Williams SA**. 2021. *Ardipithecus* hand provides evidence that humans and chimpanzees evolved from an ancestor with suspensory adaptations. *Science Advances* 7, eabf2474. DOI: [10.1126/sciadv.abf2474](https://doi.org/10.1126/sciadv.abf2474)

44. Araiza I, Meyer, MR, **Williams SA**. 2021. Is ulna curvature in the StW 573 ('Little Foot') *Australopithecus* natural or pathological? *Journal of Human Evolution* 151, 102927. <https://doi.org/10.1016/j.jhevol.2020.102927>
43. Spear JK, **Williams SA**. 2020. Mosaic patterns of homoplasy accompany the parallel evolution of suspensory adaptations in the forelimb of tree sloths (Folivora: Xenarthra). *Zoological Journal of the Linnean Society* zlaa154, <https://doi.org/10.1093/zoolinnean/zlaa154>
42. Williams SA, Prang TC, Meyer MR, Russo GA, Shapiro LJ. 2020. Reevaluating bipedalism in *Danuvius*. *Nature* 586, E1-3. <https://doi.org/10.1038/s41586-019-1731-0>
41. Bastir M, García-Martínez, D Torre-Tamayo N, Palancar CA, Beyer B, Barash A, Villa C, Sanchis-Gimeno JA, Riesco-López A, Nalla S, Torre-Sánchez I, García-Rio F, Been E, Gómez-Olivencia A, Haeusler M, **Williams SA**, Spoor F. 2020. Rib cage anatomy in *Homo erectus* suggests a recent evolutionary origin of modern human body shape. *Nature Ecology and Evolution*. 4, 1178-1187.
40. Roseman CC, Capellini TD, Jagoda E, **Williams SA**, Grabowski M, O'Connor C, Polk JD, Cheverud JM. 2020. Variation in mouse pelvic morphology maps to locations enriched in Sox9 Class II and Pitx1 regulatory features. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 334, 100-112.
39. Meyer MR, **Williams SA**. 2019. Earliest axial fossils from the genus *Australopithecus*. *Journal of Human Evolution* 132, 189-214.
38. Williams SA, Spear JK, Petrullo L, Goldstein DM, Lee AB, Peterson AL, Miano DA, Kaczmarek E, Shattuck MR. 2019. Increased variation in numbers of vertebrae in suspensory mammals. *Nature Ecology and Evolution* 3, 949-956.
37. Williams SA, Meyer MR, Nalla S, García-Martínez D, Eyre J, Prang TC, Bastir M, Schmid P, Churchill SE, Berger LR. 2018. The vertebrae, ribs, and sternum of *Australopithecus sediba*. *PaleoAnthropology* 2018, 156-233.
36. Williams SA, DeSilva JM, de Ruiter DJ. 2018. Malapa at 10: Introduction to the special issue on *Australopithecus sediba*. *PaleoAnthropology* 2018, 49-55.
35. Torres-Tamoya, N, García-Martínez D, Nalla S, Barash A, **Williams SA**, Blanco-Pérez E, Mata Escolano F, Alberto Sanchis-Gimeno J., Bastir M. 2018. The torso integration hypothesis revisited in *Homo sapiens*: Contributions to the understanding of hominin body shape evolution. *American Journal of Physical Anthropology* 167, 777-790.
34. DeCasien AR, Thompson N, Shattuck MR, **Williams SA**. 2018. Encephalization and longevity evolved in a correlated fashion in Euarchontoglires but not in other mammals. *Evolution* 72, 2617-2631.

33. VanSickle C, Cofran ZD, García-Martínez D, **Williams SA**, Churchill SE, Berger LR, Hawks J. 2018. *Homo naledi* pelvic remains from the Dinaledi Chamber, South Africa. *Journal of Human Evolution*. 125, 122-136.
32. Spear JK, **Williams SA**. 2018. Scapular breadth is associated with forelimb-dominated suspensory behavior in Atelidae: Comments on Selby and Lovejoy (2017). *American Journal of Physical Anthropology* 167, 194-196.
31. Bastir M, García-Martínez D, **Williams SA**, Recheis W, Torres I, García Río F, Oishi M, Ogihara N. 2017. 3D geometric morphometrics of thorax variation in Hominoidea. *Journal of Human Evolution* 113, 10-23.
30. Meyer MR, **Williams SA**, Schmid P, Churchill SE, Berger LR. 2017. The cervical spine of *Australopithecus sediba*. *Journal of Human Evolution* 104, 32-49.
29. DeCasien AR, **Williams SA**, Higham JP. 2017. Primate brain size is predicted by diet but not sociality. *Nature Ecology & Evolution* 1, 0112.
28. Williams SA, García-Martínez D, Bastir M, Meyer MR, Nalla S, Hawks J, Schmid P, Churchill SE, Berger LR. 2017. The vertebrae and ribs of *Homo naledi*. *Journal of Human Evolution*. 104, 136-154.
27. Hawks J, Elliott M, Schmid P, Churchill SE, de Ruiter DJ, Roberts EM, Hilbert-Wolf H, Garvin HM, **Williams SA**, Delezene LK, Feuerriegel EM, Randolph-Quinney P, Kivell TL, Laird MF, Tawane G, DeSilva JM, Bailey SE, Brophy JK, Meyer MR, Skinner MM, Tocheri MW, VanSickle C, Walker CS, Campbell TL, Kuhn B, Kruger A, Tucker S, Gurto A, Hlophe N, Hunter R, Morris H, Peixotto B, Ramalepa M, van Rooyen D, Tsikoane M, Boschoff P, Dirks PHGM, Berger LR. 2017. New fossils of *Homo naledi* from the Lesedi Chamber, South Africa. eLife e24232.
26. Randolph-Quinney PS, **Williams SA**, Steyn M, Meyer MR, Smilg JS, Churchill SE, Odes E, Augustine T, Tafforeau P, Berger LR. 2016. Primary osteogenic tumor of the spine in *Australopithecus sediba*: earliest evidence for neoplastic disease in the human lineage. *South African Journal of Science*. 112 (7/8), 1-7.
25. Williams SA, Russo GA. 2016. The fifth element (of Lucy's sacrum): Reply to Machnicki, Reno, and Lovejoy. *American Journal of Physical Anthropology*. 161, 374-378.
24. Antón SC, Taboada H, Middleton ER, Rainwater CW, Taylor AB, Turner TR, Turnquist JE, Weinstein KJ, **Williams SA**. 2016. Morphological variation in *Homo erectus* and the origins of developmental plasticity. *Philosophical Transactions of the Royal Society B*.371, 20150236.
23. Tawane G, García-Martínez D, Eyre J, Bastir M, Berger L, Schmid P, Nalla S, **Williams SA**. 2016. A hominin first rib discovered at the Sterkfontein caves. *South African Journal of Science*. 112 (5/6), 1-7.

22. Williams SA, Middleton ER, Villamil CI, Shattuck MR. 2016. Vertebral numbers and human evolution. *Yearbook of Physical Anthropology* 159 (S61), 19-36.
21. Russo GA, **Williams SA**. 2015. Giant pandas (Carnivora) and living hominoids (Primates) converge on lumbar vertebral adaptations to orthograde trunk posture. *Journal of Human Evolution* 88, 160-179.
20. Berger LR, Hawks J, DeRuiter D, Churchill SE, Schmid P, Delezene L, Kivell T, Garvin HM, **Williams SA**, DeSilva JM, Skinner M, Musiba CM, Cameron N, Holliday TW, Harcourt-Smith W, Ackermann RR, Bastir M, Brophy J, Cofran ZD, Congdon KA, Deane AS, Dembo M, Elliot M, Feuerriegel EM, García-Martínez D, Green DJ, Gurtov A, Kruger A, Laird MF, Marchi D, Meyer MR, Nalla S, Negash EW, Radovcic D, Scott JE, Schroeder L, Throckmorton Z, VanSickle C, Walker CS, Wei P, Zipfel B. 2015. *Homo naledi*, a new species of the genus *Homo* from the Dinaledi Chamber, South Africa. *eLIFE* 4: e09560. [dio:10.7554/eLife.09560](https://doi.org/10.7554/eLife.09560)
19. Meyer MR, **Williams SA**, Smith M, Sawyer G. 2015. Lucy's back: reassessment of fossils associated with the A.L. 288-1 vertebral column. *Journal of Human Evolution* 85, 174-180.
18. Williams SA, Russo GA. 2015. Evolution of the hominoid vertebral column: the long and the short of it. *Evolutionary Anthropology* 24, 15-32.
17. Williams SA, Shattuck MR. 2015. Ecology, longevity, and naked mole-rats: confounding effects of sociality? *Proceedings of the Royal Society B*. 282, 20141664.
16. Russo GA, **Williams SA**. 2015. Lucy (A.L. 288-1) had five sacral vertebrae. *American Journal of Physical Anthropology*. 156, 295-303.
15. Williams SA, Ostrofsky KR, Frater N, Churchill SE, Schmid P, Berger LR. 2013. The vertebral column of *Australopithecus sediba*. *Science* 340, 1232996.
14. Williams SA. 2012. Modern or distinct axial bauplan in early hominins? Comments on Haeusler et al. (2011). *Journal of Human Evolution* 63, 552-556.
13. Williams SA. 2012. Placement of the diaphragmatic vertebra in catarrhines: implications for the evolution of dorsostability in hominoids and bipedalism in hominins. *American Journal of Physical Anthropology* 148, 111-122.
12. Williams SA. 2011. Variation in anthropoid vertebral formulae: implications for homology and homoplasy in hominoid evolution. *Journal of Experimental Zoology B (Molecular and Developmental Evolution)* 318, 134-147.
11. Williams SA. 2010. Morphological integration and the evolution of knuckle-walking. *Journal of Human Evolution* 58, 432-440.
10. Shattuck MR, **Williams SA**. 2010. Arboreality has allowed for the evolution of increased longevity in mammals. *Proceedings of the National Academy of Sciences USA* 107, 4635-4639.

9. Polk JD, **Williams SA**, Peterson JV, Roseman CC, Godfrey LR. 2010. Subchondral bone apparent density and locomotor behavior in extant primates and subfossil lemurs *Hadropithecus* and *Pachylemur*. *International Journal of Primatology* 31, 275-299.
8. Polk JD, **Williams SA**, Peterson JV. 2009. Body size and joint posture in primates. *American Journal of Physical Anthropology* 140, 359-367.

EDITOR-REVIEWED PAPERS, BOOK CHAPTERS, & BOOK REVIEWS

7. Williams SA, Gomez-Olivencia A, Pilbeam D. 2019. Numbers of vertebrae in hominoid evolution. In Been E, Gomez-Olivencia A, Kramer P. (eds.), *Spinal Evolution: Morphology, Function, and Pathology of the Spine in Hominoid Evolution*. Springer, p 97-124.
6. Williams SA, Meyer MR. 2019. The spine of *Australopithecus*. In Been E, Gomez-Olivencia A, Kramer P. (eds.), *Spinal Evolution: Morphology, Function, and Pathology of the Spine in Hominoid Evolution*. Springer, p 125-151.
5. Meyer MR, **Williams SA**. 2019. The spine of early *Homo*. In Been E, Gomez-Olivencia A, Kramer P. (eds.), *Spinal Evolution: Morphology, Function, and Pathology of the Spine in Hominoid Evolution*. Springer, p 153-183.
4. Williams SA. 2018. Lead Book Review: Was the last common ancestor aping a chimp or just monkeying around? *Journal of Human Evolution* 121, 72-74.
3. Williams SA. 2018. *Australopithecus* Group. *Encyclopedia of Evolutionary Psychological Science*. [10.1007/978-3-319-16999-6_3423-1](https://doi.org/10.1007/978-3-319-16999-6_3423-1)
2. Williams SA. 2015. Earliest Hominins. *McGraw-Hill Yearbook in Science and Technology* (2015).
1. Williams SA. 2015. Review of *Apes and Human Evolution* by R.H. Tuttle (2014). *Current Anthropology* 117, 209-210.

JOURNAL ARTICLES IN REVIEW AND IN PREPARATION

López-Rey JM, Cambra-Moo Ó, González Martín A, Candelas González N, Sánchez-Andrés A, Tawane M, Cazenave M, **Williams SA**, Bastir M, García-Martínez D. *Resubmitted*. Covariation between the shape and mineralized tissues of the rib cross-section in *Homo sapiens*, *Pan troglodytes*, and Sts 14.

Spear JK, Grabowski M, Sekhavati Y, Costa CE, Goldstein DM, Petrullo LA, Peterson AL, Lee AB, Shattuck MR, Gómez-Olivencia A, **Williams SA**. *Submitted*. The evolution of the vertebral column in primates, with a focus on hominoids and the last common ancestor of hominins and panins.

Meyer MR, Jung JP, Spear JK, Araiza I, **Williams SA**. *Submitted*. Knuckle-walking in

Sahelanthropus? Locomotor inferences from the ulnae of fossil hominins and other hominoids.

Meyer MR, Williams SA, Suwa G, White TD. *In prep.* The sacrum of *Ardipithecus ramidus*.

Meyer MR, Williams SA, Suwa G, White TD. *In prep.* The vertebrae of *Ardipithecus ramidus*.

Bastir M, García-Martínez D, Nalla S, Schmid P, Hawks J, Churchill SE, Berger LR, Williams SA. *In prep.* A 3D reconstruction of the thorax of *Homo naledi*.

García-Martínez D, Bastir M, Nalla S, Schmid P, Churchill SE, Berger LR, Williams SA. *In prep.* Thorax morphology of *Australopithecus sediba*.

MONOGRAPHS AND THESES

Williams SA. 2012. Evolution of the Hominoid Vertebral Column: The Long and Short of It. Lambert Academic Publishing.

Williams SA. 2011. Evolution of the hominoid vertebral column. Ph.D. dissertation, University of Illinois, Urbana-Champaign, IL. <https://www.ideals.illinois.edu/handle/2142/26113>

Williams SA. 2006. Anatomical variation in the hand and wrist of African apes: evidence for a single origin of knuckle-walking adaptations. Master's thesis, Northern Illinois University, Dekalb, IL.

CONTRIBUTED PAPERS & POSTERS

65. Sorrentino R, Carlson KJ, Orr C, Pietrobelli A, Figus C, Shuyuan L, Conconi M, Sancisi N, Jashashvili T, Saers JPP, Fiorenza L, Novak M, Stock JT, Williams SA, Myerson M, Belvedere C, Leardini A, Prang TC, Patel B, DeSilva J, Marchi D, Belcastro MG, Benazzi S. 2022. Can navicular shape help to infer the presence of the medial longitudinal arch in fossil hominins? *Italian Anthropological Conference (AAI)*.
64. Williams SA, Zeng I, Shukman S, Guerra JS, Meyer MR. 2022. A new method to quantify vertebral wedging using 3D models. *American Journal of Biological Anthropology* (abstract), 177, 197-198.
63. Turcotte CM, Mann EHJ, Stock MK, Villamil CI, Montague MJ, Dickinson E, Bauman Surratt S, Martinez M, Williams SA, Antón SC, Higham JP. 2022. Sexual dimorphism in the ontogeny of rhesus macaque body size. *American Journal of Biological Anthropology* (abstract), 177, 186.
62. Meyer MR, Jung JP, Spear JK, Araiza IF, Williams SA. 2022. Locomotor signal in the forelimb of *Sahelanthropus* and OH 36 is unlike known hominins. *American Journal of Biological Anthropology* (abstract), 177, 122-123.

61. Jung JP, Meyer MR, Spear JK, Araiza IF, **Williams SA**. 2022. The influence of locomotion and body mass on the primate ulna: new insights into behavioral postures in fossil taxa. *American Journal of Biological Anthropology* (abstract), 177, 93.
60. Guerra JS, García-Martínez D, Meyer MR, **Williams SA**. 2022. Lower thoracic vertebra morphology reveals adaptations to bipedal posture and locomotion in fossil hominins. *American Journal of Biological Anthropology* (abstract), 177, 76.
59. Sorrentino R, Carlson KJ, Orr C, Pietrobelli A, Figus C, Jashashvili T, Saers J, Guarnieri T, Fiorenza L, Novak M, Stock J, **Williams SA**, Patel B, Marchi D, Belcastro GM, Benazzi S. 2021. *Symposium of Morphometrics and Evolution and Shape* (SMEF 2021).
58. Williams SA, Zeng I. 2021. Inferred lifestyle better explains variation in lumbar wedging than inherent population differences. *American Journal of Physical Anthropology* (abstract), 174, 113-114.
57. Cofran, Z, Garvin H, Radovcic D, Elliot M, Hawks J, Matz S, **Williams SA**, Peixotto B, Berger LR. 2021. An infant vertebral column of *Homo naledi*. *American Journal of Physical Anthropology* (abstract), 174, 20.
56. Prang TC, **Williams SA**. 2021. Multivariate analysis of talar morphology in *Ardipithecus ramidus*. *American Journal of Physical Anthropology* (abstract), 174, 86-87.
55. Meyer MR, Araiza I, **Williams SA**. 2021. Ulna curvature in *Sahelanthropus*, the StW 573 (“Little Foot”) *Australopithecus*, and other early hominins. *American Journal of Physical Anthropology* (abstract), 174, 70-71.
54. Turcotte CM, Choi A, Spear JK, Taboada HG, Stock MK, Villamil CI, Surrat SB, Higham JP, **Williams SA**, Antón SC. 2020. Developmental plasticity and soft-tissue reconstruction: Using the Cayo Santiago macaques to predict somatic dimensions from skeletal material. *American Journal of Physical Anthropology* (abstract) 171, 289.
53. Prang TC, Ramirez KR, Grabowski M, **Williams, SA**. 2020. *Ardipithecus ramidus* hand provides support for an African ape-like ancestor of humans and chimpanzees. *American Journal of Physical Anthropology* (abstract) 171, 222.
52. Avilez MV, Eyre J, **Williams SA**. 2020. Convergence of innominate morphology in suspensory primates: a 3D geometric morphometrics approach. *American Journal of Physical Anthropology* (abstract) 171, 13-14.
51. Meyer MR, **Williams SA**, Fong M 2020. Anatomic extremes of the postcranial axial skeleton of *Australopithecus* and *Paranthropus robustus*. *American Journal of Physical Anthropology* (abstract) 171, 186.

50. Jaye S, Cortez V, Meyer MR, **Williams SA**. 2020. Functional anatomy of the distal sacrum in *Australopithecus afarensis*, *Australopithecus sediba*, and *Homo erectus*. *American Journal of Physical Anthropology* (abstract) 171, 132.
49. Williams S.A., Prang T.C., Meyer M.R., Ostrofsky K.R., Nalley K.R., García-Martínez D., Bastir M., Schmid P., Churchill S.E., Berger L.R. 2019. A nearly complete lower back of *Australopithecus sediba*. *American Journal of Physical Anthropology* (abstract). 168, 269-270.
48. Torres-Tamayo N, García-Martínez D, Nalla S, Barash A, **Williams SA**, Blanco-Pérez E, Mata-Escolano F, Sanchis-Gimeno JA. 2019. 3D geometric morphometric analyses of the human torso morphology reveal new understandings about the torso integration in primates. *American Journal of Physical Anthropology* (abstract) 168, 248-249.
47. Meyer MR, **Williams SA**. 2019. 4.2 Ma *Australopithecus anamensis* axial remains: the oldest australopith vertebrae in the fossil record. *American Journal of Physical Anthropology* (abstract). 168, 165.
46. Williams SA, Meyer MR, Nalley T, Elliott M, Schmid P, Churchill SE, Hawks J, Berger LR. 2018. Sexual dimorphism in the lower back of *Australopithecus sediba* and *Homo naledi*. *PaleoAnthropology* 2018, A37.
45. Getahun DA, Higham JP, **Williams SA**. 2018. Reevaluation of the craniofacial morphology of *Theropithecus brumpti*: implications for secondary sexual characteristics and reconstruction of its socio-sexual behavior. *American Journal of Physical Anthropology* S66, 97.
44. Meyer MR, **Williams SA**, García-Martínez D, Bastir M. 2018. Toward solving the puzzle of thorax shape variation among early hominins. *American Journal of Physical Anthropology* S66, 176.
43. Spear J, **Williams SA**. 2018. Parallel evolution of suspensory locomotion in Folivora and implications for understanding homoplasy in hominoids. *American Journal of Physical Anthropology* S66, 260.
42. Taboada H, Antón SC, **Williams SA**, Laird MF, Stock MK, Villamil CI, Surrat SEB, Gonzalez-Velez O, Schmitt CA, Dubuc C, Higham J. 2018. Intra-demic morphological variation: using the Cayo Santiago macaques to model plasticity in the fossil record. *American Journal of Physical Anthropology* S66, 269.
41. Williams SA, Prang TC, Grabowski MW, Meyer MR, Schmid P, Churchill SE, Berger LR. 2018. Relative size and scaling of the lumbo-sacral joint in fossil hominins: implications for function and phylogeny. *American Journal of Physical Anthropology* S66, 301.
40. Antón S, Taboada H, Middleton E, Rainwater C, Turner TR, Turnquist JE, Weinstein KJ, **Williams SA**. 2017. Why did *H. erectus* disperse? Tracking variables between fleshed and skeletal individuals to find patterns of plasticity. *American Journal of Physical Anthropology* S64, 102.

39. Bastir M, García-Martínez D, **Williams SA**, Meyer MR, Nalla S, Schmid P, Barash A, Oishi M, Ogihara N, Churchill SE, Hawks J, Berger LR. 2017. Geometric morphometrics of hominoid thoraces and its bearing for reconstructing the ribcage of *H. naledi*. *American Journal of Physical Anthropology* S64, 111-112.
38. Eyre J, **Williams SA**. 2017. A new reconstruction of the Sts 14 *Australopithecus africanus* pelvis. *American Journal of Physical Anthropology* S64, 175.
37. Meyer MR, **Williams SA**. 2017. How did early hominins hold their heads? New evidence on head posture from the australopiths cervical spine. *American Journal of Physical Anthropology* S64, 286-287.
36. Shattuck MR, Petrullo LA, Peterson A, Lee AB, Kaczmarek E, Goldstein DM, **Williams SA**. 2017. Pronogrady, not fast speed specifically, acts as a constraint on vertebral formula in mammals. *American Journal of Physical Anthropology* S64, 357.
35. Torres-Tamayo N, García-Martínez D, **Williams SA**, Eyre J, Hawks J, VanSickle C, Bastir M. 2017. Allometry, sexual dimorphism in human ossa coxae, and its relevance for understanding human torso variation. *American Journal of Physical Anthropology* S64, 383.
34. Williams SA, Pilbeam D. 2017. Total numbers of vertebrae clarify the ancestral vertebral formula of African apes and humans. *American Journal of Physical Anthropology* S64, 410-411.
33. Yim A-D, **Williams SA**, Disotell TR. 2017. Adaptive evolution of TCIRG1, a gene involved in bone development and remodeling, is associated with the evolution of femoral cross-sectional geometry in primates. *American Journal of Physical Anthropology* S64, 417.
32. Williams SA, García-Martínez D, Meyer MR, Nalla S, Schmid P, Hawks J, Churchill SE, Berger LR, Bastir M. 2016. The axial skeleton and scaling of the trunk in *Homo naledi* (invited podium presentation). *American Journal of Physical Anthropology* S62, 335.
31. Grabowski M, **Williams SA**. 2016. Birth since the LCA: Reconstructing the twisted evolution of human parturition (podium presentation). *American Journal of Physical Anthropology* S62, 159.
30. DeCasien AR, Higham JP, **Williams SA**. 2016. Hard-tissue markers of face flanges in *Pongo* (plenary poster). *American Journal of Physical Anthropology* S62, 128.
29. Lopez R, Kozma E, **Williams SA**. 2016. Scapular morphology and its implications for the study of locomotor behaviors in primates and carnivorans (plenary poster). *American Journal of Physical Anthropology* S62, 201.

28. VanSickle C, Cofran ZD, García-Martínez D, **Williams SA**, Churchill SE, Berger LR, Hawks J. 2016. Primitive pelvic features in a new species of *Homo* (invited podium presentation). *American Journal of Physical Anthropology* S62, 321.
27. Throckmorton Z, Harcourt-Smith WEH, Congdon K, Zipfel B, DeSilva J, Prang TC, **Williams SA**, Meyer MR, García-Martínez D, Marchi D, Walker C, VanSickle C, Hawks J, Berger LR. 2016. *Homo naledi* strides again: preliminary reconstructions of an extinct hominin's gait (invited podium presentation). *American Journal of Physical Anthropology* S62, 314.
26. Bastir M, García-Martinez D, **Williams SA**, Nalla S, Eyre J, Oishi M, Ogihara N, Churchill SE, Berger L, Schmid P. 2016. Preliminary findings of 3D analyses of the costal remains of *Australopithecus sediba* (plenary poster). *PaleoAnthropology* 2016, A2-A3 (DOI:10.4207/PA.2016.ABS14)
25. Williams SA, Meyer MR, Smith M, Sawyer GJ. 2015. A reassessment of vertebrae associated with the *Australopithecus afarensis* partial skeleton, A.L. 288-1 ("Lucy") (plenary poster). *PaleoAnthropology* 2015, A37 (DOI: 10.4207/PA.2015.ABS13).
24. Petersdorf M, Higham JP, **Williams SA**. 2015. What can the skeleton tell us about flanging? Hard-tissue markers of cheek flanges in *Mandrillus* (plenary poster). *American Journal of Physical Anthropology* S60, 252-253.
23. Meyer MR, **Williams SA**, Smith M, Sawyer GJ. 2015. Lucy plus one: Intermingling of a second individual in the spinal column of A.L. 288-1 (plenary poster). *American Journal of Physical Anthropology* S60, 226.
22. Polk JD, **Williams SA**, Grabowski MW, Roseman CC. 2015. Evolvability and autonomy of limb proportions in *Homo* and other hominoids (plenary poster). *American Journal of Physical Anthropology* S60, 256.
21. Lee AB, Konigsberg L, **Williams SA**. 2015. Similarities in the primate vertebral formulae and implications for phylogeny and locomotor behavior (plenary poster). *American Journal of Physical Anthropology* S60, 201.
20. Polk JD, **Williams SA**, Grabowski MW, Fortney C, Roseman CC. 2014. Integration and the evolution of suspensory behavior in primates (podium presentation). XXV International Primatology Society Congress (abstract #653).
19. Williams SA, Higham JP. 2014. Sexual selection and female mate choice in human evolution (invited podium presentation). *American Journal of Physical Anthropology* S58, 273.
18. Ostrofsky KR, **Williams SA**, Churchill SE, Berger LR, Richmond BR. 2014 Australopith lumbar vertebral morphology: insights from *Australopithecus sediba* (podium presentation). *American Journal of Physical Anthropology* S58, 202.
17. Grabowski MW, **Williams SA**, O'Connor CH, Lawson HA, Polk JD, Cheverud JM, Roseman CC. 2014. Genetic variation in pelvic sexual dimorphism and its implications for human evolution (invited poster). *American Journal of Physical Anthropology* S58, 129.

16. Petrullo LA, Goldstein DM, Lee AB, **Williams SA**. 2014. Suspension, brachiation, and the evolution of short torsos in atelines and hominoids (plenary poster). *American Journal of Physical Anthropology* S58, 207.
15. Williams SA, Churchill SE, Ostrofsky KR, Schmid P, Frater N, Berger LR. 2013. The number of vertebrae in early hominins: insights from *Australopithecus sediba* (podium presentation). *American Journal of Physical Anthropology* S56, 292.
14. Shattuck MR, Thompson N, **Williams SA**. 2013. The evolution of brain size and longevity in mammals (plenary poster). *American Journal of Physical Anthropology* S56, 252.
13. Petrullo LA, Shattuck MR, **Williams SA**. 2013. Extensive convergence between giant panda and hominoid vertebral formulae (plenary poster). *American Journal of Physical Anthropology* S56, 221.
12. Williams SA. 2012. Variation in hominoid vertebral formulae: implications for the evolution of the hominin vertebral column (podium presentation). *American Journal of Physical Anthropology* S54, 304.
11. Williams SA. 2011. Evolutionary history of the hominoid vertebral formula (podium presentation). *American Journal of Physical Anthropology* S52, 257.
10. Roseman CC, **Williams SA**, Grabowski MW, O'Connor C, Cheverud J, Polk JD. 2011. A genotype- phenotype map of a mammalian pelvis using a mouse model (invited podium presentation). *American Journal of Physical Anthropology* S52, 312-313.
9. Williams SA. 2010. Morphological integration and the knuckle-walking complex: implications for the evolution of knuckle-walking and bipedalism (podium presentation). *American Journal of Physical Anthropology* S50, 244.
8. Williams SA. 2010. Numerical composition of the vertebral column: implications for hominoid evolution (podium presentation). Midwest Primate Interest Group, Chicago, IL.
7. Williams SA. 2009. Modularity in the hominoid vertebral column: implications for the evolution of orthogradey (plenary). *American Journal of Physical Anthropology* S48: 426.
6. Shattuck MR, **Williams SA**. 2009. The influence of arboreality on longevity in mammals: a test of the evolutionary theory of aging (poster). *American Journal of Physical Anthropology* S48: 366.
5. Williams SA, Grabowski MW, Polk JD, Roseman CC. 2008. Phenotypic integration and evolution in the African ape third manual ray (plenary poster). *American Journal of Physical Anthropology* S46: 223.
4. Grabowski MW, **Williams SA**, Roseman CC, Polk JD. 2008. Phenotypic integration in the macaque postcranial skeleton (plenary poster). *American Journal of Physical Anthropology*

S46: 106.

3. Polk JD, Peterson J, **Williams SA**. 2008. Sexual dimorphism, body size, and joint posture in primates (plenary poster). *American Journal of Physical Anthropology* S46: 173.
2. Williams SA, Shattuck MR. 2008. Arboreality and longevity in mammals (podium presentation). Midwest Primate Interest Group, Notre Dame, IN.
1. Williams SA. 2006. Variation in the African ape third manual ray: implications for the evolution of knuckle-walking? (podium). Midwest Primate Interest Group, Urbana, IL.

GRANTS

- 2022 **Leakey Foundation**—Research Grant—Bony correlates of facial flanging in extant primates and fossil hominins. PI with J. P. Higham. (\$25,000, pending).
- 2020 **National Science Foundation**—Doctoral Dissertation Research: Evolution of the forelimbs of suspensory primates. PI with J. Spear (\$6,439 awarded).
- 2019 **Leakey Foundation**—Research Grant—Covariation of internal and external costal anatomy and its importance for understanding the evolution of the human thorax. Co-I with D. García-Martínez (Lead PI), M. Bastir, O. Cambra, A. Gonzalez, L. Berger. (\$20,080 awarded).
- 2017 **National Science Foundation**—Biological Anthropology Senior Research—Integrating genetic, morphological, behavioral and demographic data to investigate primate life history. Co-PI with J. Higham (Lead PI), S. Antón. (\$199,080 awarded).
- 2017 **National Science Foundation**—Doctoral Dissertation Research Improvement Grant—The role of thermoregulation in shaping pelvic morphology. PI with J. Eyre (\$25,128 awarded).
- 2016 **Leakey Foundation** – Research Grant – Lumbar lordosis in modern humans and fossil hominins. Leakey Foundation resubmission 33517. PI (\$23,491 awarded).
- 2016 **Leakey Foundation**—Emergency Research Grant—Measuring soft-tissue variation in a large sample of free-ranging rhesus macaques: an opportunity to ground-truth skeletal markers. Co-PI with J. Higham (Lead PI), S. Antón, C. Dubuc. (\$9,100 awarded).
- 2016 **National Science Foundation**—Biological Anthropology RAPID—Preserving the endangered Cayo Santiago skeletal collection for studies linking genetics, behavior, and morphology. Co-PI with S. Antón (Lead PI), J. Higham. (\$52,873 awarded).
- 2016 **Spanish Ministry for Economy and Competitiveness (MINECO)**—EXCELLENCE projects and projects CHALLENGES—3D morphometric growth simulations of the trunk skeleton in *Australopithecus*, early *Homo* and extant primates and its functional implications for human evolution (TORSO). Co-I with M. Bastir (Lead PI), S. Gimeno, P.

- Schmid, F. Spoor. (180,000€ awarded).
- 2014 **Leakey Foundation** – Research Grant – Male-male competition, sexual dimorphism and alternate reproductive strategies in a non-human primate: a morphological approach. Co-I with C. Dubuc (Lead PI), J. Higham, M. Shattuck. (\$17,700 awarded).
- 2014 **University Research Challenge Fund, New York University**. Continued Excavation and Analysis of Hominin Fossils from Rising Star Cave. PI (\$16,000 awarded).
- 2009 **National Science Foundation** – Doctoral Dissertation Improvement Grant – Morphological Integration and Evolution of the Hominoid Vertebral Column. Co-I with J. Polk (PI) (\$11,235 awarded).
- 2009 **Beckman Institute for Science and Technology** – Cognitive Science/Artificial Intelligence Award, University of Illinois. PI. (Two awards, \$2,500 each).
- 2008 **University of Illinois** – Graduate College Dissertation Travel Grant. PI. (\$480 awarded).

HONORS AND AWARDS

- 2021 Honorary Research Fellow appointment, Centre for the Exploration of the Deep Human Journey, University of the Witwatersrand
- 2018 Sigma Xi Scientific Research Honor Society Nomination for Membership
- 2016 New York University College of Arts and Sciences Golden Dozen Teaching Award
- 2016 Manchester High School Distinguished Alumni Award: Early Career Achievement
- 2015 New York University Goddard Junior Faculty Fellowship
- 2014 Honorary Research Affiliate appointment, Evolutionary Studies Institute, University of the Witwatersrand
- 2014 Elected Participant, Rising Star Workshop, University of the Witwatersrand
- 2013 Elected Participant, Rising Star Cave Excavation, University of the Witwatersrand
- 2011 University of Illinois Demitri B. Shimkin Award for Outstanding Research Paper in Anthropology
- 2010-2011
William Miller Fellowship for Dissertation Research
- 2010 University of Illinois Edward M. Bruner Award for Academic Excellence and Promise in

Anthropology

- 2010 University of Illinois List of Teachers Ranked as Excellent (Spring semester)
- 2009 University of Illinois List of Teachers Ranked as Excellent (Fall semester)
- 2008 University of Illinois List of Teachers Ranked as Excellent (Spring semester)
- 2008-2011
Conference Travel Funding, Department of Anthropology, University of Illinois (4 awards)
- 2007 University of Illinois List of Teachers Ranked as Excellent (Spring semester)
- 2006 University of Illinois List of Teachers Ranked as Excellent (Fall semester)
- 2006 University of Illinois List of Teachers Ranked as Excellent (Spring semester)
- 2006 Summer Research Travel Award, Department of Anthropology, University of Illinois
- 2006-2011
Stipend and waiver of graduate tuition, University of Illinois
- 2004-2006
Stipend and waiver of graduate tuition, Northern Illinois University

PROFESSIONAL SERVICE

- 2017-2018 Guest Editor, *PaleoAnthropology* special issue on *Australopithecus sediba*
- 2015-2016 National Science Foundation Graduate Research Fellowship Program Panelist
- 2016 Symposium organizer, “In Search of the Last Common Ancestor: Perspectives on the Ancestral Morphotype of Hominins.” American Association of Physical Anthropologists Meeting, 2016
- 2014-2019 Associate Editor, *Journal of Human Evolution*
- 2012-present Contributor, multiple entries: *Encyclopedia of Human Evolution* (Ed. B. Wood, 2013 and online).
- 2012-2013 American Association of Physical Anthropologists Program Committee
- 2010-present **Reviewer of manuscripts in professional journals:**
- American Journal of Physical Anthropology
 - The Anatomical Record
 - Evolution, Medicine, and Public Health

- Evolutionary Anthropology
- HOMO: Journal of Comparative Human Biology
- Journal of the American Aging Association
- Journal of Experimental Biology
- Journal of Human Evolution
- Journal of Mammalogy
- Mammal Review
- Nature Ecology and Evolution
- Neurological Research
- Quaternary International
- PaleoAnthropology
- PeerJ
- Proceedings of the National Academy of Sciences USA
- Proceedings of the Royal Society B
- Public Library of Science (PLoS) ONE
- Royal Society Open Science
- Zoological Journal of the Linnean Society

Grant reviews:

- National Science Foundation Senior Research (Biological Anthropology; Sedimentary Geology and Paleobiology)
- National Science Foundation Reviewer, 2016, 2021
- European Research Council
- Israel Science Foundation
- Leakey Foundation
- National Geographic Society

Book and edited volume reviews:

- Cambridge Univ. Press
- Routledge Anthropology
- Springer Academic
- Univ. of California Press

NEW YORK UNIVERSITY SERVICE

2022	45 th Annual CAS Undergraduate Research Conference poster judge
2022-present	Ex officio member, Faculty of Arts and Sciences (FAS) Assembly
2022-present	College of Arts and Sciences (CAS) Undergraduate Academic Affairs Committee (UAAC)
2022-present	CAS UAAC Working Group on Undergraduate Research subcommittee
2021-present	Graduate School of Arts and Sciences (GSAS) Inclusion, Diversity, Equity, Accessibility, and Leadership (IDEAL) committee

2021-present	GSAS IDEAL Teaching and Pedagogy Subcommittee
2021-present	Elected member, Committee on Information, Technology, Library Services
2020-present	Member, Golden Dozen Awards Selection Committee
2019-present	Co-Chair, FAS Undergraduate Curriculum Committee
2019-2020	FAS Graduate Curriculum Committee
2019	44 th Annual CAS Undergraduate Research Conference poster judge
2019-present	Proud to Be First: Faculty Connect program mentor
2018	44 th Annual CAS Undergraduate Research Conference poster judge
2017-present	CAS “Proud to be First” First Generation Program faculty member
2017	43 rd Annual CAS Undergraduate Research Conference poster judge
2016-2019	Faculty of Arts and Sciences (FAS) Academic Standards Committee
2015-2016	Mentor and discussant, FAS Diversity Summer Student Research Conference
2014	40 th Annual CAS Undergraduate Research Conference poster judge
2014-present	Core member, NYU FAS Diversity Initiative Faculty Working Group
2013-2018	CAS Freshman Dialogue Committee

NYU DEPARTMENT OF ANTHROPOLOGY SERVICE

2021-present	Member, Graduate Fellowship Committee
2021-present	Chair, MS in Human Skeletal Biology Admissions Committee
2020-present	Director, MS program in Human Skeletal Biology
2019-2020	Co-Chair, Department of Anthropology Diversity Initiatives Committee
2018-2020	Director, MA program in Anthropology (Human Skeletal Biology track)
2018-2019	Biological Anthropology and Archaeology PhD Admissions Committee

2017-2018	Co-director, MA program in Human Skeletal Biology
2017-2020	Co-organizer and mentor, Anthropology in Color Symposium
2014, 2017	Albert Borgman Prize for Senior Honors Thesis Department Committee
2016-2019	Member, Department of Anthropology Diversity Initiatives Committee
2015-2018	Department Website and Media Committee
2014-2015	Faculty liaison for Anthropology Undergraduate Student Association
2012-2018	Co-chair, Center for the Study of Human Origins Colloquium Committee
2011-2018	Co-chair, MA (Human Skeletal Biology track) Admissions Committee

PROFESSIONAL MEMBERSHIPS AND ACTIVITIES

2018-present	Elected member, Sigma Xi Scientific Research Honor Society
2018-present	Member, Society for the Study of Evolution
2013-present	Member, Paleoanthropology Society
2012-present	Member, Society for Vertebrate Paleontology
2011-present	Core Faculty, Center for the Study of Human Origins
2011-present	Core Faculty, New York Consortium for Evolutionary Primatology
2010-2011	Member and co-founder, Evolutionary Morphology Reading Group
20009-present	Member, American Association of Physical Anthropologists
2007-2008	President, Biological Anthropology Journal Club, University of Illinois

INVITED TALKS AND LECTURES

“The evolution of hominin bipedal posture and locomotion.” Invited lecture, Department of Organismal Biology and Anatomy Colloquium Series, University of Chicago, September 21, 2021.

“Bipedal adaptations in early hominins: insights from the axial skeleton.” Invited lecture, Department of Anthropology Colloquium Series, Washington University in St Louis, May 5, 2021.

“New fossils from the Cradle of Humankind, South Africa.” Invited lecture, Center for Skeletal

and Craniofacial Biology Bone Seminar Series, NYU College of Dentistry, October 7, 2019.

“New fossil discoveries in the Cradle of Humankind, South Africa” Invited public lecture, Evolutionary Studies Series, Binghamton University, SUNY, October 23, 2017.
(<https://www.binghamton.edu/evos/seminar-series/2017fall/scottwilliams.html>)

“The strange case of *Homo naledi*” Invited public lecture, New York Academy of Sciences (Anthropology section), Wenner-Gren Foundation, January 25, 2016.

“*Homo naledi* and recent discoveries in human evolution” Invited public lecture, New York Atheists Brunch and Lecture Series, The Press Box Restaurant, February 14, 2016.

“New Hominin Fossils from the Cradle of Humankind, South Africa” Invited public lecture, Department of Anthropology, Northern Illinois University, Spring 2015.

“Bipedal Adaptations in Early Hominins: insights from the evolutionary development of the vertebral column” Invited talk, Department of Anthropology, Northern Illinois Univ., Spring 2015.

“Bipedal adaptations in early hominins: insights from the axial skeleton” Invited talk, Department of Anthropology, Washington University, St. Louis, Spring 2015.

“Bipedal adaptations in early hominins: insights from the vertebral column” Invited talk, Department of Anthropology, Stony Brook University, Spring 2014.

“A comparative framework for understanding hominin vertebral column morphology” Invited talk, Department of Anthropology, Yale University, Fall 2013.

“Evolutionary history of the bipedal backbone” Invited talk, Department of Anthropology, Hunter College, CUNY, Fall 2013.

“The evolution of hominin bipedalism” Invited talk, NYU Evening Evolution Group, Center for Genomics and Systems Biology, New York University, Spring, 2012.

“The evolution of orthogrady and bipedalism: perspectives from the vertebral column” Invited talk, New York Consortium for Evolutionary Primatology, CUNY Graduate Center, Fall, 2011.

“Morphological integration and evolution of the primate postcranium” Invited talk, Center for the Study of Human Origins, Department of Anthropology, New York University, Spring, 2011.

“The evolution of morphological integration in primates” Invited talk, Lifespan Health Research Center, Boonshoft School of Medicine, Wright State University, Fall, 2010.

COURSES TAUGHT AT NYU

ANTH-GA 1505. History and Philosophy of Biological Anthropology (22) (F’20, F’22)

CORE-UA 305. Human Origins (120) (Sp'14, Sp'22)

ANTH-GA 1510. Integrative Paleoanthropology 1 (20) (F'13, F'15, F'17, F'19, F'21)

ANTH-GA 1520 & 1522. Interpreting the Human Skeleton: Morphological & Statistical Methods (Lecture and Lab) (23) (Sp'21)

ANTH-UA 2. Human Evolution (90-177 students) (Sp'13, Su'16, F'16, Sp'17, Sp'18, F'19, Sp'20)

ANTH-GA 1520. Interpreting the Human Skeleton: Morphological & Statistical Methods (20) (Sp'18, Sp'19)

ANTH-GA 3396. Quantitative Methods (20) (F'16)

ANTH-G14.1520. Interpreting Human Skeletal Morphology (20) (Sp'12, Sp'13, Sp'14, Sp'16)

ANTH-UA 512. Seminar: Evolutionary Biology of Human Behavior (20) (F'14)

ANTH-UA52. Evolution and Biology of Human Behavior (40) (Sp'12)

ANTH-UA 511. Problems and Perspectives in Human Evolution (20) (F'11)

ANTH -V14.09050. Honors Research I (25) (F'13)

ANTH-UA 951. Honors Research II (25) (Sp17)

POPULAR AND SCIENTIFIC COVERAGE OF RESEARCH

2022 *Inferring lumbar lordosis in Neandertals and other hominins.* [Press release](#): NYU. Online coverage: <https://oxfordjournals.altmetric.com/details/123946100/news>, [WebMD](#).

2021 *New fossils of Australopithecus sediba reveal a nearly complete lower back.* [Press release](#): NYU. Online coverage: [The Naked Scientists Podcast](#), [The Conversation](#), [New Scientist](#), [SciNews.com](#), [Archaeology.org](#), [Futurity.org](#)

2021 *Ardipithecus hand provides evidence that humans and chimpanzees evolved from an ancestor with suspensory adaptations.* Online coverage: [The Scientist](#), [ScienceNews](#), [NewScientist](#), [Sci-News.com](#), [Phys.org](#), SyFyWire, Gizmodo, DailyMail, etc.

2020 *Rib cage anatomy in Homo erectus suggests a recent evolutionary origin of modern human body shape.* Online coverage: Natural History Museum [Science News](#), Phys.org, SciNews.com, archaeology.org, Daily Mail.

2019 *Increased variation in numbers of presacral vertebrae in suspensory mammals.* [Press release](#): NYU. Online coverage: ASU Now, Science Daily, UPI.com/Science_News. Nature Ecology and Evolution [Behind the Paper](#).

- 2018 *Malapa at 10: Introduction to the special issue on Australopithecus sediba; The vertebrae, ribs, and sternum of Australopithecus sediba.* CNN.com, Telegraph, Inverse, ScienceDaily, EurekAlert!, iflscience.com
- 2017 *New fossil remains of Homo naledi from the Lesedi Chamber, South Africa.* Online coverage: National Geographic, Discover Magazine, New Scientist, WashingtonPost.com, Newsweek.com, theAtlantic.com, theGuardian.com, NBCNews.com, CBSNews.com, etc.
- 2017 *Primate brain size is predicted by diet but not sociality.* Print coverage: Nature. Radio coverage: BBC Radio 4. Online coverage: Science, Scientific American, BBC, NPR, New Scientist, The Guardian, Smithsonian Magazine, The Telegraph, Elmundo, etc.
- 2016 *Osteogenic tumor in Australopithecus sediba: earliest hominin evidence for neoplastic disease.* [Press release](#): University of the Witwatersrand. Online coverage: National Geographic, New Scientist, DailyMail.co.uk, Sci-News.com, NatureWorldNews.com, etc.
- 2015 *Giant pandas (Carnivora: Ailuropoda melanoleuca) and living hominoids converge on lumbar vertebral adaptations to orthograde trunk posture.* BBC.com.
- 2015 *Homo naledi, a new species of the genus Homo from the Dinaledi Chamber, South Africa.* 60 Minutes (upcoming), CBS News (live interview), National Geographic, NOVA ('Dawn of Humanity'), New York Times front page, other major newspapers, magazines, and broad online coverage. [Press release](#): University of the Witwatersrand.
- 2015 *Lucy's back: Reassessment of fossils associated with the A.L. 288-1 vertebral column.* Online coverage: Elsevier press release, New Scientist, Daily News, Tech Times.
- 2015 *Ecology, longevity, and naked mole-rats: confounding effects of sociality?* Online coverage: Motherboard (VICE), Smithsonian Magazine, Phys.org.
- 2013 *The vertebral column of Australopithecus sediba:* Press release, New York University. Online coverage: National Geographic News, AAAS.org, Nature World News, The Scientist Magazine, Sci-News, LiveScience, Phys.org, InNews, Why Evolution is True.
- 2010 *Arboreality has allowed for the evolution of increased longevity in mammals:* Press release: University of Illinois, Urbana-Champaign. Online coverage: New Scientist, Science Daily, DNAIndia, ScienceBlogs—Not Exactly Rocket Science.

OUTREACH

- 2017-present
 American Association for the Advancement of Science SciLine faculty consultant. On call for media inquiries related to scientific discoveries in the area of human evolution.
- 2016-present
 Applied Research Innovations in Science and Engineering STEM education summer mentorship program. Mentor 10th and 11th grade students on research projects.

- 2016 Lang Science Program, American Museum of Natural History Education Department. Lecturing 20 5th-6th graders on human evolution through the AMNH Youth Programs.
- 2015 NOVA special: Dawn of Humanity. Brief appearances at Rising Star Cave and in the Phillip V. Tobias Fossil Primate and Hominid Laboratory at the University of the Witswatersrand.
- 2015 CBS News Online. Interview regarding the discovery of a new species, *Homo naledi*.
- 2015 Meet the Scientist program, Sackler Educational Lab, American Museum of Natural History. Teaching and interacting with public museum attendees about human fossils.
- 2014 Applied Research Innovations in Science and Engineering STEM education program 2014 Colloquium panel judge. Provided feedback to students and committee.
- 2014 Huffington Post coverage of the Bill Nye-Ken Ham evolution vs. creationism debate, "Is creation a viable model of origins?" Live blogging on the event with science editors (http://www.huffingtonpost.com/2014/02/04/bill-nye-debate-ken-ham-creationism-livestream-live-updates_n_4717896.html)

REFERENCES

Dr. John D. Polk
jdpolk@illinois.edu
 Professor
 Department of Anthropology
 University of Illinois
 188 Davenport Hall
 Urbana, IL 61801
 Phone: 217-333-3676

Dr. Steven Leigh
steve.leigh@colorado.edu
 Professor
 Department of Anthropology
 Univ. of Colorado Boulder
 Hale Science 350
 1350 Pleasant St, 233 UCB
 Boulder, CO 80309
 Phone: 303-492-2547

Dr. Charles C. Roseman
croseman@illinois.edu
 Associate Professor
 School of Integrative Biology
 University of Illinois
 203 Shelford Vivarium
 Champaign, IL 61820
 Phone: 217-244-3513

Dr. Daniel Gebo
dgebo555@gmail.com
 Presidential Teaching and Research Professor
 Emeritus
 Department of Anthropology
 Northern Illinois University
 Stevens Bldg 204
 DeKalb, IL 60115
 Phone: Ask me for private #