Curriculum Vitae

Jeremy M. DeSilva

Dartmouth College
Department of Anthropology
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Hanover, NH 03755

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PROFESSIONAL POSITIONS

Associate Professor, Anthropology Department. Dartmouth College. 2015-present
Assistant Professor, Anthropology Department. Boston University. 2009-2015.
Assistant Professor. Biology Department. Worcester State College. 2008-2009.
Adjunct Instructor of Biology at Northwest State Community College, Ohio. 2007-2008.
Exhibit Content Developer for Human Evolution Exhibit. Boston Museum of Science. 2004
Life Science Interpretation Coordinator. Boston Museum of Science. 2000-2003
Education Fellow. Boston Museum of Science. 1999-2000
High School Biology Teacher. Somerset High School, MA. 1998-1999

EDUCATION

University of Michigan
Ph.D. Biological Anthropology, 2008.

Thesis: VERTICAL CLIMBING ADAPTATIONS IN THE ANTHROPOID ANKLE AND MIDFOOT: IMPLICATIONS FOR LOCOMOTION IN MIOCENE CATARRHINES AND PLIO-PLEISTOCENE HOMININS.
Thesis available online at: http://www.paleoanthro.org/dissertations/list/
Dissertation committee: Laura MacLatchy (Chair), D. Fisher, J. Mitani, W. Sanders, M. Wolpoff

Cornell University
B.A. Biology (Physiology), 1998

AFFILIATIONS & OTHER RESPONSIBILITIES

- Adjunct faculty member. Department of Biological Sciences, Dartmouth College. 2015-present.
- Honorary Research Fellow. *Evolutionary Sciences Institute*. University of Witwatersrand, South Africa. 2014-present.
- Associate Editor. *Journal of Human Evolution*. 2013-present.
- Affiliated research scientist. Orthopaedics Biomechanics Laboratory. Beth Israel Deaconess Medical Center, Boston, MA. 2010-2015.
- Content Advisor. Boston Museum of Science *Hall of Human Life*. Opened: November, 2014.
- Affiliated faculty member of African Studies Center, Boston University. 2009-2015.

PEER-REVIEWED PUBLICATIONS

In preparation

Boyle, E., Gill, C., Swanson, Z., Joseph, K., Zipfel, B., DeSilva, J. Lateral plantar process variation in humans and extant apes: Implications for *Australopithecus*. In preparation

DeSilva, J., Gill, C., Prang, C., Bredella, M., Alemseged, Z. The ontogeny and evolution of the *Australopithecus afarensis* foot. In preparation.

Marchi, D., Walker, C.S., Wei, P., DeSilva, J., Holliday, T.W., Churchill, S.E., Berger, L.R. The lower limb of the Dinaledi Chamber hominins. In prep for *Journal of Human Evolution.*

Traniello, J., Claxton, A., Carvalho, L., DeSilva, J. Collective intelligence, social selection, and brain evolution. In preparation.

In review

Holliday, T., Churchill, S., Carlson, K., DeSilva, J., Schmid, P., Walker, C., Berger, L. Body size and proportions of *Australopithecus sediba*. In review at *Journal of Human Evolution*.

Claxton, A.G., Hammond, A.S., Romano, J., Oleinik, E., DeSilva, J.M. Virtual reconstruction of an *Australopithecus* female pelvis (Sts 65) and birth in early hominins. In review at *Journal of Human Evolution*.

Accepted

Berger, L.R., Hawks, J., de Ruiter, D.J., Churchill, S.E., Schmid, P., Williams, S.A., DeSilva, J.M., Kivell, T., Skinner, M., Musiba, C.M., Cameron, N., Holliday, T.W., Harcourt-Smith, W., Ackermann, R.R., Bastir, M., Brophy, J., Cofran, Z.D., Congdon, K.A., Deane, A.S., Delezene, L., Dembo, M., Elliott, M., Feuerriegel, E.M., Garcia-Martinez, D., Garvin, H.M., Green, D.J., Gurtov, A., Kruger, A., Laird, M.F., Marchi, D., Meyer, M.R., Nalla, S., Negash, E.W., Radovcic, D., Scott, J.E., Schroeder, L., Throckmorton, Z., VanSickle, C., Walker, C.S., Wei, P., Zipfel, B. Variation of the hominin sample from Dinaledi Chamber, South Africa. Accepted at *eLIFE*.

DeSilva, J. Brains, birth, bipedalism and the mosaic evolution of the helpless infant. Accepted for publication in: Rosenberg, K., Trevathan, W. (Eds.) *Costly and Cute. How Helpless Newborns Made us Human*. SAR Press.

Gill, C., Bredella, M.A., DeSilva, J. Skeletal development of hallucal tarsometatarsal joint curvature and angulation in extant apes and modern humans. Accepted at *Journal of Human Evolution.*

Gill, S., Vessali, M., Pratt, J., Watts, S., Pratt, J., Raghavan, P., DeSilva, J. Grooming a new generations of scientists in an interdisciplinary research environment. Accepted at *Clinical and Translational Science*

Harcourt-Smith, W.E.H., Throckmorton, Z., Congdon, K.A., Zipfel, B., Deana, A.S., Drapeau, M.S.M., Churchill, S.E., Berger, L.E., DeSilva, J. The foot of the Dinaledi Chamber hominins. Accepted at *Nature Communications.*

Published

2015

DeSilva, J. Bonne-Annee, R., Swanson, Z., Gill, C., Sobel, M., Uy, J., Gill, S. 2015. Midtarsal break variation in modern humans: functional causes, skeletal correlates, and paleontological implications. *American Journal of Physical Anthropology*. 156: 543-552.

Cofran, Z. DeSilva, J. 2015. A neonatal perspective on *Homo erectus* brain growth. *Journal of Human Evolution*. 81: 41-47

Boyle, E., DeSilva, J. 2015. A large *Homo erectus* talus from Koobi Fora, Kenya (KNM-ER 5428) and Pleistocene hominin talar evolution. *PaleoAnthropology*. 1-13.

2014

Gill, C., Taneja, A., Bredella, M., Torriani, M., DeSilva, J. 2014. Osteogenic relationship between the lateral plantar process and the peroneal tubercle in the human calcaneus. *Journal of Anatomy*. 224: 173-179.

Gill, S., Lewis, C., DeSilva, J. 2014. Arch height mediation of obesity-related walking in adults: Contributors to physical activity limitations. *Physiology Journal*. 821482.

2013

Venkataraman, V.V., Kraft, T.S., DeSilva, J., Dominy, N.J. 2013. Phenotypic plasticity of climbing-related traits in the ankle joint of great apes and rainforest hunter-gatherers. *Human Biology*. 85: 309-328.

DeSilva, J., Steininger, C., Patel, B. 2013. Cercopithecoid primate postcranial fossils from Cooper's D, South Africa. *Geobios*. 46: 381-394.

Kuo, S., DeSilva, J., Devlin, M., McDonald, G., Morgan, E. 2013. The effect of the Achilles tendon on trabecular structure in the primate calcaneus. *The Anatomical Record*. 296: 1509-1517.

O'Connell, C.O., DeSilva, J. 2013. Mojokerto Revisited: Evidence for a unique pattern of brain growth in *Homo erectus*. *Journal of Human Evolution*. 65: 156-161.

DeSilva, J., Gill, S. 2013. Brief Communication: A midtarsal (midfoot) break in the human foot. *American Journal of Physical Anthropology*. 151: 495-499.

DeSilva, J., Holt, K., Churchill, S., Carlson, K., Walker, C., Zipfel, B., Berger, L. 2013. The lower limb and walking mechanics in *Australopithecus sediba*. *Science*. 340: 1232999-1-1232999-5.

Fajardo, R.J., DeSilva, J., Manoharan, R.K., Knittel, J.M., MacLatchy, L.M., Bouxsein, M.L. 2013. Lumbar vertebral body bone microstructural scaling in small to medium-sized strepsirhines. *The Anatomical Record*. 296: 210-226.

2012

Wells, J., DeSilva, J., Stock, J. 2012. The obstetric dilemma: an ancient game of Russian Roulette, or a variable dilemma sensitive to ecology? *Yearbook of Physical Anthropology*. 149: 40-71.

DeSilva, J., Devlin, M. 2012. A comparative study of the trabecular bony architecture of the talus in humans, non-human primates, and *Australopithecus*. *Journal of Human Evolution*. 63: 536-551.

DeSilva, J., Proctor, D., Zipfel, B. 2012. A complete second metatarsal (StW 89) from Sterkfontein Member 4, South Africa. *Journal of Human Evolution*. 63: 487-496.

Weiss, E., DeSilva, J., Zipfel, B. 2012. Brief Communication. Radiographic study of metatarsal one basal epiphyseal fusion: A note of caution on age determination. *American Journal of Physical Anthropology*. 147: 489-492.

2011

DeSilva, J., Papakyrikos, A. 2011. A case of valgus ankle in an early Pleistocene hominin. *International Journal of Osteoarchaeology*. 21: 732-742.

Zipfel, B., DeSilva, J., Kidd, R., Carlson, K., Churchill, S., Berger, L. 2011. The foot and ankle of *Australopithecus sediba*. *Science*. 333: 1417-1420.

DeSilva, J. 2011. A shift toward birthing relatively large infants early in human evolution. *Proceedings of the National Academy of Sciences*. 108: 1022-1027.

2010

MacLatchy, L., DeSilva, J., Wood, B., Sanders, W. 2010. Hominins. In Sanders WJ and Werdelin L (eds.) *Cenozoic Mammals of Africa*. Berkeley: University of California Press.

DeSilva, J., Throckmorton, Z. 2010. Lucy's Flat Feet: The relationship between the ankle and rearfoot arching in early hominins. *PLoS One*. 5: e14432.

DeSilva, J., Tocheri, M., Zipfel, B., Van Arsdale, A. 2010. The OH 8 foot. Adult or subadult? *Journal of Human Evolution*. 58: 418-423.

DeSilva, J., Morgan, M.E., Barry, J.C., Pilbeam, D. 2010. A hominoid distal tibia from the Middle Miocene of Pakistan. *Journal of Human Evolution*. 58: 147-154.

DeSilva, J. 2010. Revisiting the "midtarsal break". *American Journal of Physical Anthropology*. 141: 245-258.

2009

Zipfel, B., DeSilva, J., Kidd, R.S. 2009. Earliest complete hominin fifth metatarsal- implications for the evolution of the lateral column of the foot. *American Journal of Physical Anthropology*. 140: 532-545.

DeSilva, J. 2009. Functional morphology of the ankle and the likelihood of climbing in early hominins. *Proceedings of the National Academy of Sciences*. 106: 6567-6572.

Fajardo, R., Cory, E., Patel, N., Nazarian, A., Laib, A., Manoharan, R., Schmitz, J., DeSilva, J., MacLatchy, L., Snyder, B., Bouxsein, M. 2009. Specimen size and porosity can introduce error into CT-based tissue mineral density measurements. *Bone*. 44: 176-184.

2003-2008

DeSilva, J., Lesnik, J. 2008. Brain size at birth throughout human evolution. A new method for estimating neonatal brain size in human ancestors. *Journal of Human Evolution*. 55: 1064-1074.

Pobiner, B., DeSilva, J., Sanders, W., Mitani, J. 2007. Taphonomic analysis of skeletal remains from chimpanzee hunts at Ngogo, Kibale National Park, Uganda. *Journal of Human Evolution*. 52: 614-636.

DeSilva, J., Lesnik, J. 2006. Chimpanzee neonatal brain size: Implications for brain growth in *Homo erectus*. *Journal of Human Evolution*. 51: 207-212.

DeSilva, J., Shoreman, E., MacLatchy, L. 2006. A fossil hominoid proximal femur from Kikorongo crater, southwestern Uganda. *Journal of Human Evolution*. 50: 687-695.

DeSilva, J. 2003. Interpreting evidence. An approach to teaching human evolution in the classroom. *The American Biology Teacher*. 66: 257-267.

BOOK REVIEWS

DeSilva, J. 2013. African Genesis: Perspectives on Hominin Evolution. *American Journal of Human Biology.* 25, 138-139.

DeSilva, J. 2012. Missing Links. The African and American Worlds of R.L. Garner, Primate Collector by J. Rich. *International Journal of African Historical Studies*. 45, 335-336.

DeSilva, J. 2009. Lucy's Legacy. The Quest for Human Origins by D. Johanson & K. Wong. *Paleoanthropology*. 2009: 176-178.

PAPERS & POSTERS PRESENTED AT PROFESSIONAL CONFERENCES

2015

DeSilva, J. The evolutionary history of the human hip joint. Presented in the *Hip Evo Devo: Adaptation of the hip in phylogeny and ontogeny* (Organizer: S. Shefelbine) workshop at the annual meeting of the Orthopaedic Research Society, Las Vegas.

Boyle, E., Zipel, B., DeSilva, J. Variation in lateral plantar process morphology and implications for bipedalism in *Australopithecus.* Presented at the meeting of the American Association of Physical Anthropologists. St. Louis.

DeSilva, J. Brains, birth, bipedalism and the mosaic evolution of the helpless human infant. Presented at the meeting of the American Association of Physical Anthropologists. St. Louis.

Sylvester, A., DeSilva, J., Churchill, S.E., Berger, L.R. Three dimensional shape analysis of the distal femur of *Australopithecus sediba*. Presented at the meeting of the American Association of Physical Anthropologists. St. Louis.

2014

DeSilva, J., Bonne-Annee, R., Gill, C., Swanson, Z., Gill, S. 2014. Reconstructing foot function in early hominins using modern human models. From the Ground Up: Integrative Research in Primate Locomotion. *American Journal of Physical Anthropology*. Supplement S58: 104.

Harcourt-Smith, W., Thomas, O., DeSilva, J., Frost, S., Patel, B., Orr, C. 2014. The Kromdraai "hominin" cuboid KB 3133. A new assignation based on comparative anatomical techniques and 3D geometric morphometrics. *American Journal of Physical Anthropology*. Supplement S58: 136.

2013

Gill, S., DeSilva, J., Kelty-Stephen, D., Keimig, S. 2013. The medial longitudinal arch as an adaptation to increase step length in children. Presented at the International Society for Developmental Psychobiology annual meeting.

Patel, B., DeSilva, J., Steininger, C. 2013. New cercopithecoid primate postcranial fossils from Cooper's D, South Africa. Presented at the Society for Vertebrate Paleontologists.

Cofran, Z., DeSilva, J. 2013. Early postnatal brain growth in *Homo erectus*: Incorporating uncertainties. *American Journal of Physical Anthropology*. Supplement S56: 99.

Kuo, S., Devlin, M.J., DeSilva, J. 2013. The effect of the Achilles tendon on trabecular structure in the primate calcaneus. *American Journal of Physical Anthropology*. Supplement S56: 174.

Romano, J., Claxton, A., DeSilva, J. 2013. A reconstruction of the Sts 65 *Australopithecus africanus* pelvis with implications for birth in early hominins. *American Journal of Physical Anthropology*. Supplement S56: 235.

DeSilva, J. 2013. Starting off on the wrong foot. How our ape ancestry predisposes us to foot and ankle maladies. Presented at the American Association for the Advancement of Science (AAAS).

2012

DeSilva, J., Zipfel, B., Kidd, R., Carlson, K., Churchill, S., Berger, L. 2012. The primitive aspects of the foot and ankle of *Australopithecus sediba*. *American Journal of Physical Anthropology*. Supplement S54: 129.

O'Connell, C., DeSilva, J. 2012. Mojokerto revisited: Assessing brain growth patterns in *Homo erectus*. *American Journal of Physical Anthropology*. Supplement S54: 226.

Agoada, D., DeSilva, J. 2012. The application of the geometric mean in forensic analysis as demonstrated using the talus and calcaneus. *American Journal of Physical Anthropology*. Supplement S54: 80.

O'Connell, C., DeSilva, J. 2012. Mojokerto revisited: Assessing brain growth patterns in *Homo erectus*. Presented at the Sigma Xi conference.

2011

DeSilva, J. 2011. Starting off on the wrong foot. How our ape ancestry predisposes us to foot and ankle maladies. Presented at the American Anthropology Association meeting.

Berger, L., Carlson K., Churchill S., de Klerk B., de Ruiter D., DeSilva J., Gurche J., Holliday T., Kibii J., Kidd R., Kivell T., Schmid P., Zipfel B. 2011. New remains of *Australopithecus sediba* from the Malapa site, South Africa. *American Journal of Physical Anthropology*. Supplement S52: 88.

Throckmorton, Z., DeSilva, J. 2011. A new bent on hominin ankle evolution. *American Journal of Physical Anthropology*. Supplement S52: 294.

2010

DeSilva, J., Papakyrikos, A. 2010. A case of valgus ankle in an early Pleistocene hominin. *American Journal of Physical Anthropology*. Supplement S50: 93-94.

Fajardo, R., DeSilva, J., MacLatchy. L. 2010. Does the amount of bone dictate the trabecular bone structure in strepsirhine lumbar vertebrae? *American Journal of Physical Anthropology*. Supplement S50: 102.

2009

DeSilva, J., Tocheri, M., Zipfel, B., van Arsdale, A. 2009. Is the OH 8 hominin a sub-adult? Implications for the holotype of *Homo habilis*. *Journal of Vertebrate Paleontology*. 29: 87A.

MacLatchy, L., DeSilva, J. 2009. The postcranial anatomy of *Proconsul major*. *Journal of Vertebrate Paleontology*. 29: 139A.

DeSilva, J. 2009. Why we sprain our ankles. *American Journal of Physical Anthropology*. Supplement 48: 118.

Zipfel, B., DeSilva, J., Kidd, R.S.. 2008. Evolution of the lateral column of the hominin foot: evidence from the StW 114/115 fifth metatarsal. Presented at the Paleoanthropology Society of South Africa Meetings, Matjiesfontein, South Africa.

2008

DeSilva, J. 2008. Ankle morphology in the earliest hominins. Romer Prize Candidate. *Journal of Vertebrate Paleontology*. 28:

DeSilva, J., MacLatchy, L. 2008. Revisiting the midtarsal break. *American Journal of Physical Anthropology*. Supplement 46: 89.

2007

Caspari, R., Meganck, J., DeSilva, J., Radovcic, J., Goldstein, S.A. 2007. Assessing adult age at death in Neandertal dental remains: Preliminary applications of a new approach using three dimensional micro computed tomography. *PaleoAnthropology*. 2007: A6.

DeSilva, J. 2007. Foot dorsiflexion and vertical climbing in wild chimpanzees. *American Journal of Physical Anthropology*. Supplement 44: 97.

Pobiner, B., DeSilva, J., Sanders, W., Mitani, J. 2007. Taphonomic analysis of skeletal remains from chimpanzee hunts at Ngogo, Kibale National Park, Uganda. *American Journal of Physical Anthropology*. Supplement 44: 190.

2006

DeSilva, J., Strassmann, B. 2006. Relationship between neonatal brain and body mass and menstrual bleeding in primates. *American Journal of Physical Anthropology*. Supplement 42: 83.

2005

Wood, A., DeSilva, J., Eiting, T., Rountrey, A., Whitlock, J., Zelditch, M. 2005. Multivariate tests of evolutionary mode in *Ectocion* teeth. *Journal of Vertebrate Paleontology*. 25: 132A.

Fajardo, R., DeSilva, J., MacLatchy, L., Bouxsein, M. 2005. Relationships between body weight and vertebral bone architecture in primates that exhibit a 48-fold range in body weight. *Bone*. Supplement 36: S380.

DeSilva, J., MacLatchy, L., Bouxsein, M., Fajardo, R. 2005. Vertebral body bone mineral density decreases as a function of body weight in strepsirhine primates. *American Journal of Physical Anthropology*. Supplement 40: 94.

DeSilva, J., Shoreman, E., MacLatchy, L. 2005. A fossil hominoid proximal femur from Kikorongo crater, Southwestern Uganda. *PaleoAnthropology*. 2005: A24.

2004

DeSilva, J., Shoreman, E., MacLatchy, L. 2004. A fossil *Pan* proximal femur from the ?Plio-Pleistocene of Southwestern Uganda. *Journal of Vertebrate Paleontology*. 24: 52A.

Quibria, N., Fajardo, R., DeSilva, J., Alexander, J.M. 2004. Transgenic expression of constitutively active mutant estrogen receptor-alpha (CAMERA) in osteoblasts leads to increased trabecular bone mass. *Journal of Bone and Mineral Research*. 19: S74.

DeSilva, J., Shoreman, E. 2004. A hominoid proximal femur from the ?Plio-Pleistocene of southwestern Uganda. New England Biological Anthropology Symposium.

CONTRIBUTIONS TO EDITED VOLUMES AND TEXTBOOKS

Updated Powerpoint Lecture Presentations for Instructors for Larsen *Essentials of Physical Anthropology,* 3rd ed. 2015.

Updated Powerpoint Lecture Presentations for Instructors for Boyd & Silk *How Humans Evolved*, 7th ed. 2014

Created Powerpoint Lecture Presentations for Instructors for Larsen *Our Origins*, 3rd ed. 2013.

Created Lecture Presentations for Instructors and wrote script in field notes for Larsen *Essentials of Physical Anthropology*, 2nd ed. 2012.

Created Lecture Presentations for Instructors for Boyd & Silk *How Humans Evolved*, 6th ed. 2011.

Contributing editor for *Blackwell's Encyclopedia of Human Evolution*, Primary Editor: Bernard Wood.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

American Association of Physical Anthropologists. 2004-present
Center for Academic Research and Training in Anthropogeny (CARTA). 2011-present
Paleoanthropology Society. 2005-present. Intermittent.
Society of Vertebrate Paleontologists. 2004-present. Intermittent.

PEER REVIEW

Textbooks: Reviewer for *How Humans Evolved*, 5th ed. Boyd & Silk. & *Biological Anthropology*, 6th ed. Park.
Chapter in Building Babies. 2013. Clancy, K., Hinde, K., Rutherford, J. (Eds.) Springer
National Science Foundation Grant Proposals (x2)
Leakey Foundation Grant Proposals (x7)
American Journal of Human Biology (x1)
American Journal of Physical Anthropology (x6)

Anatomical Record (x8)
Anatomy Research International (x1)
Clinical Anatomy (x1)
Current Anthropology (x3)
Evolution, Medicine, and Public Health (x2)
International Journal of Osteoarchaeology (x2)
Journal of Human Evolution (x14). As associate editor, handled manuscripts (x21)
Journal of Anatomy (x6)
Nature (x1)
Nature Communications (x1)
Nature Education (x1)
Nature Scientific Reports (x1)
PLoS One (x6)
Proceedings of the National Academy of Sciences (x8); Guest editor for paper submitted to *PNAS* (x1).
Proceedings of the Royal Society B (x1)
Quaternary International (x1)
Quaternary Science Reviews (x1)
Seminars in Cell and Developmental Biology (x1)

FELLOWSHIPS, GRANTS, AND AWARDS

2013 Boston University Grants for Undergraduate Teaching and Scholarship Program (GUTS). "3D printer for the biological anthropology laboratory." $1,299

Nominated for Metcalf Award for Excellence in Teaching, Boston University.

The Leakey Foundation. "The midtarsal break and locomotor diversity in early hominins." $17,000

2012 Winner of the Boston University Templeton Prize for Excellence in Student Advising.

2011 Corporate sponsorship from Clarks shoe company (Newton, MA) to collect plantar pressure data on children at the Boston Museum of Science. $15,000

The Leakey Foundation. "Multidisciplinary laboratory research on the DIK-1-1 (Selam) skeleton at the National Museum of Ethiopia, Addis Ababa." P.I. Zeresenay Alemseged. Covered travel and living expenses for workshop in Addis Ababa.

2008 National Science Foundation Dissertation Improvement Grant. "Functional Morphology of the Talocrural Joint in Hominoids and Hominins- a Study of the Internal Structure of the Talus." $4,113.

The Leakey Foundation. "Functional Morphology of the Talocrural Joint in Hominoids and Hominins." June 2007-May 2008. $13,500.

2006 International Institute Individual Fellowship. University of Michigan. Summer 2006. $2,000.
Helen McKaig Spuhler Fellowship. University of Michigan. March 2006. $2,000.
Rackham Graduate Student Research Grant. University of Michigan. February 2006. $1,500.
Travel grants from Rackham School of Graduate Studies. October 2004-January 2006. $1,200
2005 Outstanding Graduate Student Instructor Award. University of Michigan. 2005.
National Science Foundation Graduate Fellow. 2005-2008.
Presidential Fellowship. Boston University. 2003-2004.

INVITED TALKS AT ACADEMIC INSTITUTIONS

2015

The complex evolutionary history of bipedalism. What new fossils from South Africa are revealing. Talk presented to the Anthropology Department, Rutgers University. (February)

The complex evolutionary history of bipedalism. What new fossils from South Africa are revealing. Talk presented to the Anthropology Department, Johns Hopkins University. (March)

Underground astronauts and the search for fossils of human ancestors in South Africa. Talk presented to the African Studies Center, Boston University (March)

Why walk on two legs? The pros and cons of bipedalism. Talk presented at the American Museum of Natural History (April)

2014

The complex evolutionary history of bipedalism. What new fossils from South Africa are revealing. Talk presented to the Anthropology Department, Dartmouth College. (October)

Unintelligent design and the scars of human evolution. European Molecular Biology Laboratory (EMBL) Forum seminar on Science and Society. Heidelberg, Germany. (May)

Surprising new fossils from South Africa and the mosaic nature of human evolution. Talk presented to the Anatomy and Neurobiology Department at the Boston University Medical School. (March)

Human evolution: New surprises from South Africa. The Keville-DePalma Founders keynote lecture presented at 35th annual Salem State University Darwin Festival. (February)

2013

Locomotor adaptations of early *Australopithecus*. Invited talk for the public symposium *On the Trail of Lucy: A Collaborative Exploration of* Australopithecus. Cleveland Museum of Natural History. (October)

Walk like a *sediba*: Locomotor variation in the australopiths. Talk presented at the *Function and Evolution of the Human Foot* workshop organized by the Center for the Advanced Study of Hominid Paleobiology (CASHP) at The George Washington University. (April)

Human Evolution: A 2-million-year-old surprise from South Africa. Talk presented at Mercyhurst College (March)

2012

Australopithecus sediba: A 2-million-year-old surprise from South Africa. Talk presented to the Anthropology Department, Boston University (November)

The surprising foot and ankle of ***Australopithecus sediba***. Talk presented to Anthropology Department at Dartmouth University. (May)

The surprising foot and ankle of ***Australopithecus sediba***. Talk presented to Anthropology Department at Yale University. (February)

The surprising foot and ankle of ***Australopithecus sediba***. Talk presented to Anthropology Department at the University at Albany- SUNY. (January)

2011

Foot and ankle diversity in *Australopithecus*. CARTA Symposium "The Upright Ape: Bipedalism and Human Origins." La Jolla, California (December)

The surprising foot of ***Australopithecus sediba***. Talk presented to Anthropology Department at Penn State University (November)

Recently discovered foot fossils from South Africa and the evolution of upright walking. Talk presented to Sargent College, Boston University (September)

Australopithecus: A new look at an old ancestor. Talk presented at Stonehill College. (March)

Australopithecus babies and the origins of human alloparenting. Talk presented for the interdisciplinary seminar series on the evolution and development of human behavior at Harvard University. (March)

Human Evolution 140 Years After "The Descent of Man". Talk presented at 32nd annual Salem State University Darwin Festival. (February)

2010

Grounded: How anatomical and behavioral changes forced our ancestors out of the trees. Tufts University Department of Biomedical Engineering.

2009

Ankles, arches, australopiths, and arboreality. Talk presented at Harvard University Human Evolutionary Biology Department.

Ardipithecus. Human Evolution Takes a Step Back. Talk presented at Wellesley College Anthropology Department.

Ankles, arches, australopiths, and arboreality. Talk presented at Biology Department, Holy Cross College.

2008

Brain size at birth throughout human evolution: a method for estimating neonatal brain size in hominins. Talk presented at the Anthropology Institute and Museum, University of Zürich-Irchel, Switzerland.

INVITATIONS TO ACADEMIC WORKSHOPS

2014

Invitee to Rising Star Workshop. April 29-May 6, 2014. Johannesburg, South Africa

Invitee to the School for Advanced Research (SAR) in Santa Fe, New Mexico for *Costly and Cute: How Helpless Newborns Made Us Human* workshop. May 11-15.

Invitee to California Academy of Sciences, San Francisco, CA for second *Selam Workshop*, a scientific meeting designed to discuss progress and ways forward in describing the skeleton of a juvenile *Australopithecus*. May 26-28.

2013

Invitee to scientific workshop *The Paleobiology, Taxonomy, and Paleoecology of Early Australopithecus: A Collaborativn Approach to Synthesizing the Evidence* hosted by the Cleveland Museum of Natural History (September)

Invitee to two day scientific workshop *Function and Evolution of the Human Foot* organized by the Center for the Advanced Study of Hominid Paleobiology (CASHP) at The George Washington University. (April).

2011
Invitee to CARTA Symposium *The Upright Ape: Bipedalism and Human Origins*, La Jolla, California (December)

Invitee to scientific workshop on *Selam*- a juvenile skeleton of *Australopithecus afarensis*. Addis Ababa, Ethiopia. (October)

FIELD & MUSEUM (FOSSIL) EXPERIENCE

2014. South Africa. Studied hominin material from Rising Star and Malapa Caves at Institute for Human Evolution, University of the Witwatersrand, Johannesburg. Visited Rising Star and Malapa caves. Both January and May.

2012. South Africa. Studied *Australopithecus sediba* lower limb fossils at Institute for Human Evolution, University of the Witwatersrand, Johannesburg.
South Africa. Studied *Australopithecus* foot bones from Sterkfontein at Department of Anatomy, University of the Witwatersrand, Johannesburg.
South Africa. Studied *Australopithecus* lower limb and pelvic material at Ditsong Museum, Pretoria.
Chicago. Studied pelvis and foot bones of Magdalenian Girl from Le Cap Blanc, France at Chicago Field Museum.

2011. Ethiopia. Studied *Australopithecus afarensis* fossils from Dikika and Hadar at the National Museum in Addis Ababa.
South Africa. Studied *Australopithecus sediba* foot fossils at Institute for Human Evolution, University of Witwatersrand, Johannesburg.
South Africa. Visited Malapa Cave and Cooper's Cave.
South Africa. Studied *Australopithecus* foot bones from Sterkfontein at Department of Anatomy, University of Witwatersrand, Johannesburg.
Cleveland. Studied casts of *Ardipithecus ramidus* foot bones at Cleveland Museum of Natural History.

2009. Uganda. Studied Early Miocene ape fossils at Uganda National Museum.
South Africa. Studied *Australopithecus* lower limb and pelvic bones from Sterkfontein at Department of Anatomy, University of Witwatersrand, Johannesburg.
South Africa. Studied *Australopithecus* lower limb and pelvic material at Transvaal Museum, Pretoria.
South Africa. Visited Sterkfontein and Swartkrans Cave localities.
Cambridge, MA. Studied Skhul lower limb material at the Harvard Peabody Museum.

2007. Uganda. Studied Early Miocene ape fossils at Uganda National Museum.
Uganda. Wild chimpanzee observations at Ngogo study site, Kibale National Park.
Kenya. Studied Early Miocene ape and Plio-Pleistocene hominin foot bones at Kenya National Museum.
Tanzania. Studied Plio-Pleistocene hominin foot and lower limb bones at Tanzania National Museum.
South Africa. Studied *Australopithecus* foot bones from Sterkfontein at Department of Anatomy, University of Witwatersrand, Johannesburg.
South Africa. Studied *Australopithecus* foot bones at Transvaal Museum, Pretoria.

2006. Uganda. Exploration and excavation of Pliocene and Pleistocene hominoid and hominid fossil sites in Queen Elizabeth National Park, P.I. Laura MacLatchy.
Uganda. Wild chimpanzee observations at Ngogo study site, Kibale National Park
Uganda. Exploration and excavation of Early Miocene hominoid fossil sites of Moroto and Napak, P.I. Laura MacLatchy.

2005. Kenya. Participant in Olorgesailie Microstratigraphy and Taphonomy Field Course. Smithsonian Institution and the Kenya National Museum.

2002. South Dakota. Exploration and excavation of Oligocene "Brian Maebius site". Badlands National Park. South Dakota School of Mines and Technology.
2000. New York State. Mastodon excavation. Hyde Park, NY. Paleontological Research Institute (Ithaca, NY) and Boston Museum of Science.

COLLEGE CLASSROOM TEACHING EXPERIENCE

Boston University (2004; 2009-2015)
Human Biology, Behavior & Evolution. AN 102
Summer 2004; Spring 2010-2012; Summer II 2013; Summer I 2014; Fall 2014
Origins. CC 106/111
Spring 2015.
Human Origins. AN 331
Spring 2013
The Ape Within. AN 335
Fall 2009
The Oldest Women: Lucy & Ardi. AN 338
Fall 2010-2013
Primate Biomechanics. AN 339
Spring 2011; Fall 2012; Fall 2014
The Human Skeleton. AN 550
Fall 2010
Primate Evolution and Anatomy. AN 552
Spring 2010-2011; 2013; 2015
Methods in Biological Anthropology. AN 595
Fall 2011
Special Topics in Biological Anthropology: ***Australopithecus sediba***. AN 597
Fall 2013
Special Topics in Biological Anthropology: Bipedalism. AN 598
Spring 2012

Worcester State College (2008-2009)
Organismal Biology. BI 140
Fall 2008
Human Anatomy & Physiology I & II. BI 161 & 162
Fall 2008, Spring 2009
Human Origins and Evolution. BI 401
Spring 2009

University of Michigan (2005-2008)
Topics in Biological Anthropology: Mysteries of Ancient Bones. AN 297
Summer 2008
Evolution of Genus ***Homo***. AN 565. Laboratory Instructor (Lecturer: M. Wolpoff)
Winter 2005

Northwest State Community College- Ohio (2008)
Principles of Biology. BI 101
Winter 2008

Northeastern University (2003)
Introduction to Paleontology
Fall 2003

STUDENTS ADVISED

Ph.D. Students: Primary advisor for Ellie McNutt (Dartmouth College)

External advisor for Alex Claxton and Natalie Laudicina (Boston University).

External reader for Kevin Hatala. George Washington University. 2014. "*Fossil Hominin Footprints and the Dynamics of Footprint Formation"*

External reader for Naoki Morimoto. University of Zürich. 2012. "*Comparative Morphometric Analysis of Long Bone Ontogeny in Hominoid Primates"*

External reader for Jacqueline Smilg. University of the Witwatersrand. 2013. *"Application of CT imaging technologies to fossil-bearing rocks from South African early hominin sites"*

Second reader for Lara Saipe Durgavich, Boston University. 2013. "*Ovarian function and reproductive behaviors across the female orangutan life cycle."*

Masters Students: Reader for Tyler Dunn (Forensic Anthropology, Boston University). 2014. *"Examination of body mass from the metrics of the first metatarsal."*

Outside reader for Benjamin Shepard (Biotechnology, Worcester State University). 2013. *"Knee biomechanics in humans and early hominins."*

Outside reader for David Agoada (Forensic Anthropology). 2012. *"The significance of tarsal variation: sex determination using the talus and calcaneus"*

Outside reader for Aviva Cormier qualifying exams (Archaeology)

Primary advisor for Rami Salem (Anthropology 2013).

Undergraduates: UROP award winners: Sara Keimig (2011 x2), Sharon Kuo (2011-2012 x2), Jeanelle Uy (2012 x2), Meagan Sobel (2012 x2), Corey Gill (2013), Zane Swanson (2013), Rachel Bonne-Annee (2013 x2), Frankee Rodriguez (2013), Katie Joseph (2014)

Honors Thesis: Zane Swanson (2014)- *"The relationship between the characteristics of bony anatomies of the foot and the mode of walking in humans."*

Corey Gill (2014)- *"Ontogenic morphology of medial cuneiform curvature and angulation in extant apes and* Homo*."*

Julia Romano (2012)- *"A reconstruction of the Sts 65 Australopithecus africanus pelvis with implications for birth in early hominins"* Primary Advisor

Kathleen Downey (2011)- *"Excavating and Recording Human Burials of Early Bronze Age Sites in the Northwestern Region of the Euphrates Valley in Syria"* Outside reader

High School: Boston University Academy student Nathan Hyde (2013): *"The relationship between tooth size and brain enlargement during human evolution."*

ADVANCING THE PUBLIC UNDERSTANDING OF SCIENCE

PUBLIC PRESENTATIONS

2015. Take a walk on the wild side. Walking with our ancestors. Presented at the Teen SciCafe at the American Museum of Natural History. (April)

Underground astronauts and the search for fossils of human ancestors in South Africa. Presented to P.S. 086 Kingsbridge Heights (Bronx, NY) and Kipp Charter School (April)

2014. Underground astronauts and the search for fossils of human ancestors in South Africa. Classroom presentation. Amherst, MA. (October).

The cons of bipedalism: Is upright walking such a good idea after all? California Academy of Sciences, San Francisco, CA. (May)

The evolution of human running. Boston Museum of Science in celebration of the 118th Boston Marathon. (April)

Human evolution: New surprises from South Africa. Auditorium presentations (2x) at Lexington High School (April).

2013. A 2 million-year-old surprise from South Africa. Auditorium presentation delivered to students at Cambridge Ridge & Latin High School. (June)

Almost human. Science on Screen presentation on human evolution prior to showing of the film *Edward Scissorhands* at the Coolidge Corner Theater, Cambridge, MA. (February)

The life of a fossil: A tale of discovery. Talk on the discovery and study of *Australopithecus sediba* delivered at Family Science Day at the meeting of the American Association for the Advancement of Science (AAAS). (February)

A 2 million-year-old surprise from South Africa. Talk on *Australopithecus sediba* for Boston Museum of Science high-school lecture series. (January)

2012. The role of technology in an old science. The use of technology in the discovery and study of the Malapa skeletons presented to the Boston Museum of Science Annual Meeting of the Board of Trustees and Overseers. (June)

A new discovery of a human ancestor from South Africa. Auditorium presentation delivered to students at Cambridge Ridge & Latin High School. (May)

***Australopithecus sediba*: a new kind of ancient human**. Presented to High School teachers for professional development session at Boston Museum of Science. (March)

Human evolution 140 years after "The Descent of Man" given as Keynote address on Darwin Day at meeting of the Worcester Humanists Society. (February)

2011. Featured in Boston Museum of Science fundraising video "Stars Among Us" (April)

Australopithecus babies and the origins of the family. Discussed recent publication on *Australopithecus* infants and the origins of human alloparenting in a Boston Museum of Science Current Science and Technology presentation. (February)

2010. Scientific, educational, and exhibit consultant and contributor to the Smithsonian National Museum of Natural History human evolution exhibit *What does it mean to be human?*

2009. ***Ardi:*** Our newest, oldest ancestor. Discussed implications of *Ardipithecus* hominid discovery in a Current Science and Technology presentation at the Boston Museum of Science. (October)

Keynote talk: **Apes, bones, and genes. The** science of human origins. for the annual meeting of the Worcester Humanists Society. (October) vimeo.com/11344985

Thoughts on science, and being a scientist featured in Boston Museum of Science exhibit *Investigate*. (Fall-present)

Ancient fossils and modern apes. Discussed how scientists reconstruct the locomotion of extinct human ancestors and relatives in a Current Science and Technology presentation at the Boston Museum of Science. (May)

New discoveries of "the hobbit" from Flores. Discussed the Flores hobbit foot in a Current Science and Technology presentation at the Boston Museum of Science. (May)

2008. **Brains, birth, and bipedalism.** Discussed the Gona *Homo erectus* pelvis in a Current Science and Technology presentation at the Boston Museum of Science. (November)

Brains, birth, and bipedalism. Discussed the Mesmaiskaya Neandertal infant in a Current Science and Technology presentation at the Boston Museum of Science. (November)

2007. Discussed current chimpanzee research with staff, volunteers, and visitors at the Boston Museum of Science to supplement their traveling exhibit "Discovering Chimpanzees: The Remarkable World of Jane Goodall." (May)

Evolution 150 years after Darwin. Keynote speaker for Boston Museum of Science volunteer training for traveling exhibit "Darwin." (January)

2002. Educational and content advisor for IMAX film *Jane Goodall's Wild Chimpanzees.*

PODCASTS

2013. Discussed *Rising Star* expedition in South Africa in Boston Museum of Science podcast. (December) http://www.mos.org/node/2140333

Discussed *Australopithecus sediba* fossils in a Boston Museum of Science podcast. (May) http://www.mos.org/node/1138920

Science magazine podcast on *Australopithecus sediba* fossils (April): http://www.sciencemag.org/content/340/6129/1232999/suppl/DC2

Science magazine podcast with Bruce Latimer and Ann Gibbons on the Scars of Human Evolution (February): http://news.sciencemag.org/sciencenow/2013/02/podcast-the-birth-pangs-of-human.html?ref=hp

2011. Discussed *Australopithecus sediba* fossils in a Boston Museum of Science podcast. (October) www.mos.org/node/99581

2009. Discussed *Ardipithecus ramidus* fossils in a Boston Museum of Science podcast. (October) www.mos.org/node/99681

Discussed research on locomotion in early hominins. (May) www.mos.org/node/99703

2008. Discussed *Homo erectus* female pelvis and evolution of human birth in a Boston Museum of Science podcast. (November) www.mos.org/node/99732

2007. Discussed latest research on chimpanzees in a Boston Museum of Science podcast. (May) www.mos.org/node/99805

RADIO INTERVIEWS

2013. BBC radio interview on the Scars of Human Evolution: http://www.bbc.co.uk/news/science-environment-21475539

Interviewed on Voice America radio show "Indiana Jones: Myth, Reality and 21st Century Archaeology" on early hominin evolution. http://www.voiceamerica.com/episode/71837/doing-the-locomotion-human-evolution-and-the-transition-to-bipedalism-walking

Interviewed on As it Happens with Carol Off on human foot research (part 2). http://www.cbc.ca/asithappens/popupaudio.html?clipIds=2389496637,2389497153,2389497191

2011. Research on *Australopithecus* infants covered on NPR. http://www.npr.org/2011/01/10/132745952/big-babies-helped-shape-early-human-societies

VIDEO

2013. Research on *Australopithecus sediba* featured in BU Today, Bostonia, and in BU Annual Report http://www.bu.edu/anthrop/2013/09/23/walking-like-a-cavewoman/ http://www.bu.edu/ar/2013/desilva/

2012. Appeared in National Geographic film *The Two Million-Year-Old Boy*, an hour-long documentary on the *Australopithecus sediba* fossils.

2011. Research on *Australopithecus* locomotion featured in BBC documentary *Origins of Us*

2010. Nature Education "Simply Science" webcast on the fossil evidence for human evolution. http://www.nature.com/scitable/blog/simply-science/episode_10_missing_link_misunderstood

Research on ankle functional morphology featured in Bostonia. http://www.bu.edu/bostonia/summer10/desilva/

PRINT/WEB MEDIA

2015. January. Research on foot evolution highlighted in New Scientist:

http://www.newscientist.com/article/mg22530050.800-shoes-vs-barefoot-the-myth-of-the-normal-foot.html

2014. April. Research on the evolution of helpless infants discussed by R. Martin in Psychology Today: http://www.psychologytoday.com/blog/how-we-do-it/201405/why-midwives-are-needed

January. Research on "Scars of Human Evolution" discussed in Science News for Students: https://student.societyforscience.org/article/many-human-ails-are-%E2%80%98scars%E2%80%99-evolution?utm_source=Society+for+Science+Newsletters&utm_campaign=f36de874c3-Latest_From_SNS&utm_medium=email&utm_term=0_a4c415a67f-f36de874c3-104496885

2013. Fall. Research on *Australopithecus sediba* featured in Boston University College of Arts & Sciences Magazine, and Inside Sargent
http://www.bu.edu/cas/magazine/fall13/desilva/
http://www.bu.edu/sargent/files/2009/09/SAR_InsideSargent_Fall2013_Final.pdf

October. Comments on new Dmanisi skull published in *Boston Globe*.
http://www.bostonglobe.com/news/science/2013/10/17/ancient-skull-challenges-understanding-human-evolution/X4aE0sfJw94s0fju4IdopI/story.html

May/June. Research on midtarsal break in human foot appeared in *New Scientist*, *Runner's World*, *Discovery News*, *The Telegraph* (UK) and *The Daily Mail* (UK).
National Geographic story:
http://news.nationalgeographic.com/news/2013/06/130606-feet-primates-science-research-anthropology-study-apes-humans/
Boston Globe story:
http://www.boston.com/news/science/blogs/science-in-mind/2013/05/31/percent-people-found-have-feet-with-chimp-like-flexibility/scHU6fjSqgDPGOegEXM0rK/blog.html

April. Research on walking in *Australopithecus sediba* appeared in the *Economist*, *New Scientist*, *Nature*, CNN, BBC, NPR, varies news agencies that carried the Associated Press story.
Boston Globe story:
http://www.bostonglobe.com/news/science/2013/04/11/early-human-ancestor-had-distinctive-gait-fossil-study-suggests/NWW1Vs1BgXmrOmBdGGM6VK/story.html

February. Participation in "Scars of Human Evolution" symposium at AAAS conference:
Science magazine:
http://news.sciencemag.org/sciencenow/2013/02/human-evolution-gain-came-with-p.html?ref=hp

February. Quoted extensively in *Scientific American* piece by K. Harmon ("Shattered Ancestry") on early hominin diversity.

January. Quoted in *National Geographic* online article on tree climbing in modern human populations: http://phenomena.nationalgeographic.com/2012/12/31/what-tree-climbing-pygmies-tell-us-about-foot-evolution/

2012. December. Quoted in *Science News* article on locomotor diversity in early hominins:
http://www.sciencenews.org/view/feature/id/347035/description/Out_on_a_limb

October. Quoted on Scientific American blog on how bipedalism leaves us susceptible to injuries:
http://blogs.scientificamerican.com/guest-blog/2012/10/16/the-hazards-of-being-an-athletic-ape/

September. Interviewed by Peter Tyson for NOVA online article "Our improbable ability to walk": www.pbs.org/wgbh/nova/body/our-ability-to-walk.html

May. AAPA presentation on *Australopithecus sediba* locomotion featured in *Science*. (Ann Gibbons, "For early hominins in Africa, many ways to take a walk").

April. AAPA presentation on *Australopithecus sediba* locomotion featured in *Science News*, and in *Scientific American* podcast: http://www.scientificamerican.com/podcast/episode.cfm?id=killer-chimps-and-funny-feet-report-12-04-27

March. Comments on Burtele, Ethiopia foot quoted in *Science*.

January. Comments on paper on birth scars in ancient pelves appear in *New Scientist*: http://www.newscientist.com/article/mg21328465.200-birth-trauma-etched-in-ancient-female-pelvis.html

2011. November. Research on arch of the foot featured in BU Today. Article can be found here: http://www.bu.edu/today/2011/arch-support/

Fall. Research on arch of the foot featured in InsideSargent, the magazine of Sargent College, Boston University.

April. Featured in The Quad: Boston University's online newspaper. Interview can be found here: http://buquad.com/2011/04/17/bu-stories-footloose-with-jeremy-desilva/

February. Quoted in *Nature* ("The Con of Convergence") regarding homoplasy in early hominin fossils.

February. Thoughts on *Australopithecus afarensis* foot fossil quoted in *Science*, *Nature*, and LiveScience.com.

January. Research on *Australopithecus* infants covered in *Time*, *Scientific American*, MSNBC.

2010. August. Interviewed by Earth magazine for story on earliest human foot bone discovered in the Philippines.

June. Interviewed by Cleveland Plain Dealer regarding new *Australopithecus* skeleton.

2009. May. Research featured in May 27, 2009 *Worcester Telegram*. "Searching for Early Man. Ankles Kept us Grounded"

May. Thoughts on Flores hobbit foot noted in *Nature* (R. Dalton, "'Hobbit' was a dwarf with large feet".)

April. Research on climbing in early hominins noted in *Science* (Michael Balter, "Our ancestors were no swingers"), *Discover*, MSNBC, and FoxNews.

2008. December. Featured in Boston Museum of Science quarterly magazine. "The education of Jerry DeSilva."

November. Research of brain development in juvenile hominins noted in *Science* (Ann Gibbons,

"The Birth of Childhood").

Fall. Research on the "midtarsal break" noted in *Evolutionary Anthropology*.

2007. Letter to editor "DNA scientist's troubling words" published in The Boston Globe.

2006. Fall. Research on ape evolution in East Africa featured in *The Journal of the International Institute*.

2004. November. Work on Kikorongo, Uganda femur reported in *The New Scientist*.

PANEL DISCUSSANT

2014. American Association of Physical Anthropologist session on the Obstetric Dilemma (with K. Rosenberg). April, 2014.

2013. December. Moderator for 8th Boston University "Dialogues in Biological Anthropology", a discussion of *Ardipithecus* with B. Kimbel, B. Jungers, and M. Cartmill. http://www.bu.edu/anthrop/dialogues/ardi/

April. Panel discussant for 7th Boston University "Dialogues in Biological Anthropology", a discussion on the origins of fire with J. Shea, F. Berna, and M. Cartmill. http://www.bu.edu/anthrop/dialogues/prometheus/

February. Participant for 6th Boston University "Dialogues in Biological Anthropology", a discussion on Unintelligent Design with R. Caspari, K. Rosenberg, B. Latimer, A. Mann, M. Wolpoff, and M. Cartmill. http://www.bu.edu/anthrop/dialogues/unintelligentdesign/

2012. April. Moderator for 5th Boston University "Dialogues in Biological Anthropology", a discussion on human sexual dimorphism with J. Michael Plavcan, Phil Reno, Cheryl Knott, and Matt Cartmill. http://www.bu.edu/anthrop/dialogues/does_size_matter/

2011. October. Participant in 4th Boston University "Dialogues in Biological Anthropology", a discussion on the evolution of the human pelvis with Steve Churchill, Karen Rosenberg, Cheryl Knott, and Matt Cartmill. http://www.bu.edu/anthrop/dialogues/getting-hip/

April. Moderator for 3rd Boston University "Dialogues in Biological Anthropology", a discussion on the origins of genus *Homo* with Lee Berger, Adam van Arsdale, and Matt Cartmill. http://www.bu.edu/anthrop/dialogues/genus-homo/

2010. April. Moderator for 1st Boston University "Dialogues in Biological Anthropology", a discussion on the "hobbit" *Homo floresiensis* with Robert Martin, Fred Smith, and Matt Cartmill. http://www.bu.edu/anthrop/dialogues/hobbits/

2009. February. "Climate Change and Human Evolution" given as panel discussant at Worcester State College for National Teach-In on Global Warming Solutions.

2003. November. Panel discussant in session "Evolution and Public Perception" at American Science and Technology Center (ASTC) conference.

CLASSROOM VISITS

2014. April. Attended Mansfield, MA middle school to discuss paleoanthropology and evolutionary biology as part of a STEM initiative.

2013. November. Presented information on *Australopithecus sediba* to Middle School aged-children in Mansfield, MA

October. Guest speaker in BI 224: Seminar in Behavioral Biology. Presented research on reconstructing locomotion *Australopithecus sediba*.

July. Gave seminar on human evolution to K-12 teachers at Professional Development workshop on teaching evolution at Northeastern University.

June. "The evolution of a scientist" presented to Boston University Undergraduate Research Opportunity Program (UROP) participants.

February. Guest speaker at Harvard University Human Evolutionary Biology 1377- Birth. Presented research on *Australopithecus* infants and the evolution of birth and shared parental care.

2012. September. Guest speaker in AN 335: The Ape Within on Miocene ape evolution.

March. Guest speaker in BI 224: Seminar in Behavioral Biology. Presented research on reconstructing locomotion *Australopithecus sediba*.

2011. September. Guest speaker at Harvard University Human Evolutionary Biology 1377- Birth. Presented research on *Australopithecus* infants and the evolution of birth and shared parental care.

April. Guest speaker in BI 224: Seminar in Behavioral Biology. Presented research on reconstructing locomotion and infant care in *Australopithecus*.

2010. May. Appeared in 4 classrooms (K-4) in Amherst and Mansfield, MA public school classrooms to discuss bones and fossils.

2009. August. Taught high school and middle school teacher professional development session on Forensic Anthropology. Worcester, MA.

May. Taught human evolution and paleontology to elementary school children. Mansfield, MA

2008. May. Worcester State College. Guest lecture on chimpanzee behavior and current chimpanzee research in Biology 111. Social Biology.

February. Established collaboration with Rudolf Steiner School of Ann Arbor, MI and taught human evolution to high school classes.

2006. Taught human evolution and paleontology to elementary school children. Amherst, MA.

Fall. University of Michigan. Guest lecturer for Biological Anthropology 564: Hominid Origins on the dentition of the earliest purported hominins.

2004-2005. University of Michigan. Guest lecturer for Introduction to African Studies on the African hominid fossil record.