

John Hawks

Vilas-Borghesi Distinguished Achievement Professor of Anthropology
University of Wisconsin–Madison

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Research interests

Paleoanthropology. Anthropological genomics. Science communication. Open science.

Education

- 1999 Ph.D., Anthropology. **University of Michigan**, Ann Arbor, MI. Thesis title: “The Evolution of Human Population Size: A Synthesis of Paleontological, Archaeological, and Genetic Data.”
- 1996 M.A., Anthropology. **University of Michigan**, Ann Arbor, MI.
- 1994 B.A., English and French; B.S. Anthropology. **Kansas State University**, Manhattan, KS.

Academic appointments

- from 2014 **Vilas-Borghesi Distinguished Achievement Professor**, Department of Anthropology, University of Wisconsin–Madison
- from 2017 **Research Associate**, Evolutionary Studies Institute, University of the Witwatersrand
- from 2013 **Honorary Reader**, Evolutionary Studies Institute, University of the Witwatersrand
- 2011–2016 **Associate Chair**, Department of Anthropology, University of Wisconsin–Madison
- 2013–2014 **Professor**, Department of Anthropology, University of Wisconsin–Madison

- 2012–2013 **Howard Hughes Medical Institute (HHMI) Faculty Fellow**, University of Wisconsin–Madison
- 2008–2013 **Associate Professor**, Department of Anthropology, University of Wisconsin–Madison. Granted tenure in 2008.
- 2011 **Visiting Professor**, University of Rome “Sapienza”
- 2002–2008 **Assistant Professor**, Department of Anthropology, University of Wisconsin–Madison
- 1999–2002 **Postdoctoral Fellow**, Human Molecular Evolution and Demography Group, University of Utah
- 1996–1999 **Graduate Student Instructor**, Department of Anthropology, University of Michigan
- 1998 **Visiting Lecturer**, Department of Anthropology, Western Michigan University
- 1998 **Lecturer**, Department of Anthropology, University of Michigan
- 1997–1998 **Research Consultant**, Cranbrook Institute of Science
- 1992–1994 **Teaching Assistant**, Department of Anthropology, Kansas State University

Honors and awards

- 2017 Ken and Linda Ciriacks Alumni Outreach Excellence Award
University of Wisconsin–Madison Foundation and Alumni Association
- 2016 Fulbright U.S. Scholar
U.S. Department of State
- 2014 Vilas-Borghesi Distinguished Achievement Professorship
University of Wisconsin–Madison
- 2012 Kavli Fellow
U.S. National Academy of Sciences
- 2011 H. I. Romnes Faculty Fellow
University of Wisconsin–Madison
- 2011 Howard Hughes Medical Institute (HHMI) Faculty Fellow
University of Wisconsin–Madison
- 2011 Honored Instructor, University Housing
University of Wisconsin–Madison
- 2009 Vilas Associate Award
University of Wisconsin–Madison
- 1999 Outstanding Graduate Student Instructor
Department of Anthropology, University of Michigan
- 1994 Phi Kappa Phi Honorary Society
Kansas State University

1993 Phi Beta Kappa
Kansas State University

Media and internet

Websites

- from 2004 **John Hawks Anthropology Weblog** (author): <http://johnhawks.net/weblog>
September 2015–2016 traffic figures: 752,000 pageviews, 413,012 unique users. 42% of overall traffic originates outside the U.S.
- from 2013 **Rising Star Expedition Blog** (contributor):
<http://newswatch.nationalgeographic.com/blog/rising-star-expedition/>
Open science project sponsored by the National Geographic Society, describing fieldwork of the Rising Star Expedition in South Africa.
- 2011–2013 **Malapa Soft Tissue Project** (author and contributor): <http://johnhawks.net/malapa>
An open science experiment involving public input and a broad research community to examine evidence from Malapa Cave, South Africa.

Lecture series

- 2014 **Human Evolution: Past and Future.**
Eight-week massive open online course (MOOC), presented on Coursera. Total enrollment: 41,000. Format: field footage, interviews, and mini-lectures, intended to engage students with virtual visits to paleoanthropological fieldsites and interviews with experts in different aspects of paleoanthropology.
- 2011 **The Rise of Humans: The Great Debates.**
24-lecture series for The Great Courses (Chantilly, VA). Available on DVD, internet and audio. Human evolution, told through a historical perspective outlining the work of key paleoanthropologists, from the discovery of the first hominins up to paleogenomics.
- 2010 **Major Transitions in Evolution.**
24-lecture series for The Great Courses (Chantilly, VA), copresented with Anthony Martin, Emory University. Available on DVD and internet. Evolution of life, focusing on the origins of major clades, including primates and hominins.

Documentary television

- 2017 **Is Human Evolution Still Ongoing?** (Probono, for Arte). On-screen expert.
- 2017 **Africa's Great Civilizations** (Nutopia, for PBS). On-screen expert.
- 2015 **Brain Surgery Live** (National Geographic Channel). On-screen expert.
- 2015 **Neanderthal Apocalypse** (Story House Productions, for History Channel). On-screen expert.
- 2015 **The Next Human** (Korean Broadcasting System). On-screen expert.
- 2015 **First Peoples** (Five episodes, Wall to Wall Productions, for PBS). Consultant and on-screen expert.

- 2015 **Judge for Yourself** (eNews TV, South Africa) Guest expert.
- 2015 **Dawn of Humanity** (National Geographic, for PBS NOVA). On-screen expert.
- 2014 **Your Inner Fish** (Tangled Bank Studios, for PBS). Consultant.
- 2013 **Consider This** (Al Jazeera America). Guest expert.
- 2013 **Secrets of the Dead: Caveman Cold Case** (Terra Mater Productions, for PBS). Consultant and on-screen expert.
- 2013 **Decoding Neanderthals** (Arrow Productions, for PBS NOVA). Consultant and on-screen expert.
- 2012 **Sex in the Stone Age** (Lone Wolf Productions, for National Geographic). On-screen expert.
- 2012 **Through the Wormhole with Morgan Freeman** (Discovery Communications, for Discovery Channel). On-screen expert.
- 2012 **Prehistoric Autopsy: Neanderthal** (BBC). Consultant and on-screen expert.
- 2009 **Becoming Human** (WGBH, for PBS NOVA). Consultant.
- 2008 **The Neandertal Code** (Wall to Wall Productions, for National Geographic). Consultant and on-screen expert.

Publications

Books

- 2017 Berger, Lee R. and **John Hawks**. *Almost Human: The Astonishing Tale of Homo naledi and the Discovery That Changed Our Human Story*. National Geographic Books, Washington, DC.

Peer-reviewed articles and book chapters

- 2017 Feuerriegel, Elen M., David J. Green, Christopher S. Walker, Peter Schmid, **John Hawks**, Lee R. Berger, Steven E. Churchill. The upper limb of *Homo naledi*. *Journal of Human Evolution* 104: 155–173.
- 2017 Laird, Myra F., Lauren Schroeder, Heather M. Garvin, Jill E. Scott, Mana Dembo, Davorka Radovčić, Charles M. Musiba, Rebecca R. Ackermann, Peter Schmid, **John Hawks**, Lee R. Berger, Darryl J. de Ruiter. The skull of *Homo naledi*. *Journal of Human Evolution* 104: 100–123.
- 2017 Williams, Scott A., Daniel García-Martínez, Markus Bastir, Marc R. Meyer, Shahed Nalla, John Hawks, Peter Schmid, Steven E. Churchill and Lee R. Berger. The vertebrae and ribs of *Homo naledi*. *Journal of Human Evolution* 104: 136–154.
- 2016 Randolph–Quinney, Patrick S., Lucinda R. Backwell, Lee R. Berger, **John Hawks**, Paul H. G. M. Dirks, Eric M. Roberts, Godwin Nhauro, Jan Kramers. Response to Thackeray (2016)—The possibility of lichen growth on bones of *Homo naledi*: Were they exposed to light? *South African Journal of Science* 112: 1–5.

- 2016 Dirks, Paul H. G. M., Lee R. Berger, **John Hawks**, Patrick S. Randolph–Quinney, Lucinda R. Backwell and Eric M. Roberts. Deliberate body disposal by hominins in the Dinaledi Chamber, Cradle of Humankind, South Africa? *Journal of Human Evolution* 96: 149–153.
- 2016 **Hawks, John** and Lee R. Berger. The impact of a date for understanding the importance of *Homo naledi*. *Transactions of the Royal Academy of South Africa* 71: 125–128.
- 2016 **Hawks, John**. Neanderthal humanities. Pp. 89–100 in Carroll, Joseph, Dan P. McAdams and Edward O. Wilson, eds., *Darwin's Bridge: Uniting the Humanities and Sciences*. Oxford University Press, Oxford UK.
- 2016 **Hawks, John**. Human evolution. Pp. 31–45 in Losos, Jonathan B. and Richard E. Lenski, eds., *How Evolution Shapes Our Lives: Essays on Biology and Society*. Princeton University Press, Princeton NJ.
- 2015 Kivell, Tracy L., Andrew S. Deane, Matthew W. Tocheri, Caley M. Orr, Peter Schmid, **John Hawks**, Lee R. Berger, and Steven E. Churchill. The hand of *Homo naledi*. *Nature Communications* 6: 8431.
- 2015 Dirks, Paul H. G. M., Lee R. Berger, Eric M. Roberts, Jan D. Kramers, **John Hawks**, Patrick S. Randolph–Quinney, Marina Elliott, Charles M. Musiba, Steven E. Churchill, Darryl J. de Ruiter, Peter Schmid, Lucinda R. Backwell, Georgy A. Belyanin, Pedro Boshoff, K. Lindsay Hunter, Elen M. Feuerriegel, Alia Gurtov, James du G. Harrison, Rick Hunter, Ashley Kruger, Hannah Morris, Tebogo V. Makhubela, Becca Peixotto, Steven Tucker. Geological and taphonomic context for the new hominin species *Homo naledi* from the Dinaledi Chamber, South Africa. *eLife* 4: e09561.
- 2015 Berger, Lee R., **John Hawks**, Darryl J. de Ruiter, Steven E. Churchill, Peter Schmid, Lucas K. Deleuzene, Tracy L. Kivell, Heather M. Garvin, Scott A. Williams, Jeremy M. DeSilva, Matthew M. Skinner, Charles M. Musiba, Noel Cameron, Trenton W. Holliday, William Harcourt-Smith, Rebecca R. Ackermann, Markus Bastir, Barry Bogin, Debra Bolter, Juliet Brophy, Zachary D. Cofran, Kimberly A. Congdon, Andrew S. Deane, Mana Dembo, Michelle Drapeau, Marina C. Elliott, Elen M. Feuerriegel, Daniel Garcia-Martinez, David J. Green, Alia Gurtov, Joel D. Irish, Ashley Kruger, Myra F. Laird, Damiano Marchi, Marc R. Meyer, Shahed Nalla, Enquye W. Negash, Caley M. Orr, Davorka Radovic, Lauren Schroeder, Jill E. Scott, Zachary Throckmorton, Matthew W. Tocheri, Caroline VanSickle, Christopher S. Walker, Pianpian Wei, Bernhard Zipfel. *Homo naledi*, a new species of the genus *Homo* from the Dinaledi Chamber, South Africa. *eLife* 4: e09560.
- 2015 **Hawks, John**. Biological Anthropology in 2014: Beyond the Traditional. *American Anthropologist* 117:345-349.
- 2015 **Hawks, John**. The Denisova genome: an unexpected window into the past. Pp. 77-80 in Sankhyan, A. R., ed., *Recent Discoveries and Perspectives in Human Evolution*. BAR International Series 2719, Archaeopress, Oxford UK.
- 2015 Traynor, Sarah, Alia N. Gurtov, Jess Hutton Senjem and **John Hawks**. Assessing eye orbits as predictors of Neandertal group size. *American Journal of Physical Anthropology* 157:680–683.
- 2015 NESCent Working Group on the Evolutionary Biology of the Built Environment, Laura J. Martin, Rachel I. Adams, Ashley Bateman, Holly M. Bik, **John Hawks**, Sarah M. Hird, David Hughes, Steven W. Kembel, Kerry Kinney, Sergios-Orestis Kolokotronis, Gabriel Levy, Craig McClain, James F. Meadow, Raul F. Medina, Gwynne Mhuireach, Corrie S. Moreau, Jason Munshi-South, Lauren M. Nichols, Clare Palmer, Laura Popova, Coby

- Schal, Martin Täubel, Michelle Trautwein, Juan A. Ugalde, Robert R. Dunn. Evolution of the indoor biome. *Trends in Ecology and Evolution* 30:223–232.
- 2015 Kissel, Marc and **John Hawks**. What are the Lothagam and Tabarin mandibles? *PaleoAnthropology* 2015:37–43.
- 2015 Sams, Aaron, **John Hawks** and Alon Keinan. The utility of ancient human DNA for improving allele age estimates, with implications for demographic models and tests of natural selection. *Journal of Human Evolution* 79:64–72.
- 2014 **Hawks, John**. Still evolving (after all these years). *Scientific American* 311:86–91.
- 2014 **Hawks, John**. Nous ne sommes pas que des *Homo sapiens*. *La Recherche* 491:27–33.
- 2014 Sams, Aaron and **John Hawks**. Celiac disease as a model for the evolution of multifactorial disease in humans. *Human Biology* 86:19–26.
- 2013 **Hawks, John**. The significance of Neandertal and Denisovan genomes for understanding human evolution. *Annual Review of Anthropology* 42:433–449.
- 2013 **Hawks, John**. Archaic genomes and language evolution. *Journal of Anthropological Sciences* 91:253–255.
- 2013 **Hawks, John**. Human evolution. Pp. 183–188 in Losos, Jonathan B., David A. Baum, Douglas J. Futuyma, Hopi E. Hoekstra, Richard E. Lenski, Allen J. Moore, Catherine L. Peichel, Dolph Schluter, Michael C. Whitlock, eds., *The Princeton Guide to Evolution*. Princeton University Press, Princeton NJ.
- 2013 **Hawks, John** and Zachary Throckmorton. The relevance of archaic genomes to modern human origins. Pp. 339–354 in Fred H. Smith and James C. M. Ahern, editors, *Origin of Modern Humans: Biology Reconsidered* (John Wiley and Sons, New York).
- 2013 Sams, Aaron and **John Hawks**. Patterns of population differentiation and natural selection on the celiac disease background risk network. *PLoS ONE* 8(7):e70564.
- 2012 **Hawks, John**. A longer timescale for human evolution. *Proceedings of the National Academy of Sciences, U. S. A.* 109 (39):15531–15532.
- 2012 **Hawks, John**. Dynamics of genetic and morphological variability within Neandertals. *Journal of Anthropological Sciences* 90:81–87.
- 2011 Hobolth, Asger, Julien Y. Duthel, **John Hawks**, Mikkel H. Schierup and Thomas Mailund. Incomplete lineage sorting patterns among human, chimpanzee, and orangutan suggest recent orangutan speciation and widespread selection. *Genome Research* 21:349–356.
- 2011 Hawkes, Kristen, Peter S. Kim, Brett Kennedy, Ryan Bohlender and **John Hawks**. A reappraisal of grandmothering and natural selection. *Proceedings of the Royal Society of London, Series B: Biological Sciences* 278:1936–1938.
- 2011 **Hawks, John**. No brain expansion in *Australopithecus boisei*. *American Journal of Physical Anthropology* 146 (2):155–160.
- 2011 **Hawks, John**. Centre and edge: a foundational concept in human population dynamics. *Before Farming* 2011/1:2.
- 2009 Eller, Elise, **John Hawks**, and John R. Relethford. Local extinction and recolonization, species effective size, and modern human origins (updated reprint). *Human Biology* 81(5-6):805–824.

- 2009 **Hawks, John**. Update to Eller et al.'s "Local Extinction and Recolonization, Species Effective Population Size, and Modern Human Origins" (2004). *Human Biology* 81(5-6):825-828
- 2008 **Hawks, John**, Gregory Cochran, Henry C. Harpending and Bruce T. Lahn. A genetic legacy from archaic *Homo*. *Trends in Genetics* 24:19-23.
- 2008 **Hawks, John**. From genes to numbers: effective population sizes in human evolution. In Bocquet-Appel, J.-P., ed., *Recent Advances in Paleodemography: Data, Techniques, Patterns*. Springer, New York.
- 2007 **Hawks, John**. Selection, nuclear genetic variation, and mtDNA. Pp. 181–190 in Zivkovic, B., ed., *The Open Laboratory: The Best Writing on Science Blogs 2006*. Lulu, New York.
- 2007 Clark, Jamie L., Seth D. Dobson, Susan C. Antón, **John Hawks**, Keith L. Hunley and Milford H. Wolpoff. Identifying artificially deformed crania. *International Journal of Osteoarchaeology* 17:596-607.
- 2007 **Hawks, John**, Eric T. Wang, Gregory M. Cochran, Henry C. Harpending and Robert K. Moyzis. Recent acceleration of human adaptive evolution. *Proceedings of the National Academy of Sciences, U. S. A.* 104:20753-20758.
- 2006 **Hawks, John**. Selection on mtDNA and the Neanderthal problem. Pp. 221-238 in Harvati, K. and Harrison, T., eds., *Neanderthals Revisited*. Springer, New York.
- 2006 Wolpoff, Milford H., **John Hawks**, Brigitte Senut, Martin Pickford, and James Ahern. An ape or the ape: Is the Toumaï cranium TM 266 a hominid? *PaleoAnthropology* 2006:36-50.
- 2006 **Hawks, John** and Gregory Cochran. Dynamics of adaptive introgression from archaic to modern humans. *PaleoAnthropology* 2006:101–115.
- 2006 **Hawks, John** and Milford H. Wolpoff. The Accretion model of Neandertal evolution. Pp. 458–469 in Ciochon, R. L. and Fleagle, J. G., eds. *The Human Evolution Source Book*. Pearson, Upper Saddle River, NJ.
- 2005 Ahern, James C. M., **John Hawks**, and Sang-Hee Lee. Neandertal taxonomy reconsidered ...again: A response to Harvati et al. *Journal of Human Evolution* 48(6):647–652.
- 2004 **Hawks, John**. How much can cladistics tell us about hominid relationships? *American Journal of Physical Anthropology*. 125: 207–219.
- 2004 Eller, Elise, **John Hawks**, and John R. Relethford. Population extinction and recolonization in human demographic history. *Human Biology* 76(5): 689–709.
- 2004 Wolpoff, Milford H., Bruce Mannheim, Alan Mann, **John Hawks**, Rachel Caspari, Karen R. Rosenberg, David W. Frayer, George W. Gill and Geoffrey A. Clark. Why *not* the Neandertals? *World Archaeology* 36(4):527–546.
- 2003 **Hawks, John** and Milford H. Wolpoff. Sixty years of modern human origins in the American Anthropological Association. *American Anthropologist* 105(1):87–98.
- 2002 Ahern, James C. M., **John Hawks**, and Sang-Hee Lee. The Krapina and Vindija superorbitals: sample bias or evolutionary change? *Journal of Human Evolution* 43(3) 419–432.
- 2001 **Hawks, John D.** and Milford H. Wolpoff. The Accretion model of Neandertal evolution. *Evolution* 55(7):1474-1485.

- 2001 Wolpoff, Milford H., **John Hawks**, Keith Hunley, and David W. Frayer. Ancestry of early modern humans at the peripheries tests the replacement theory. *Science* 291:293-297.
- 2001 **Hawks, John** and Milford H. Wolpoff. Paleoanthropology and the population genetics of ancient genes. *American Journal of Physical Anthropology* 114:269-272.
- 2000 Wolpoff, Milford H., **John Hawks**, and Rachel Caspari. Multiregional, not multiple origins. *American Journal of Physical Anthropology* 112:129-136.
- 2000 **Hawks, John** and Milford H. Wolpoff. The Four faces of Eve: hypothesis compatibility and human origins. *Quaternary International* 75:41-50.
- 2000 **Hawks, John**, Stephen Oh, Keith Hunley, Seth Dobson, Graciela Cabana, Praveen Dayalu, and Milford H. Wolpoff. An Australasian test of the recent African origin theory using the WLH-50 calvarium. *Journal of Human Evolution* 17(1):2-22.
- 2000 **Hawks, John**, Keith Hunley, Sang-Hee Lee, and Milford H. Wolpoff. Population bottlenecks and human evolution. *Molecular Biology and Evolution* 17(1):2-22.
- 2000 **Hawks, John**, Seth Dobson and Milford H. Wolpoff. Variation in nasal breadth as a test of genetic drift in European Neandertals. *Bullétins et Mémoires de la Société d'Anthropologie de Paris* 12(3-4):431-436.

Encyclopedia entries

- 2018 **Hawks, John**. Rising Star. *International Encyclopedia of Biological Anthropology*.
- 2017 **Hawks, John**. Anthropology: Year in review 2016. *Encyclopedia Britannica*.
- 2016 **Hawks, John**. Anthropology: Year in review 2015. *Encyclopedia Britannica*.
- 2015 **Hawks, John**. Anthropology: Year in review 2014. *Encyclopedia Britannica*.
- 2015 **Hawks, John**. Ledi-Geraru and the origin of *Homo*. *Encyclopedia Britannica*.
- 2014 **Hawks, John**. Anthropology: Year in review 2013. *Encyclopedia Britannica*.
- 2014 **Hawks, John**. Prehistoric people. *World Book Encyclopedia*.
- 2013 **Hawks, John**. Human evolution and genetics. In Moore, J., ed. *Encyclopedia of Race and Racism*. Second edition. Thomson-Gale, New York.
- 2007 **Hawks, John**. Cranial index. In Moore, J., ed. *Encyclopedia of Race and Racism*. Thomson-Gale, New York.
- 2007 **Hawks, John**. Primate and human evolution. In Moore, J., ed. *Encyclopedia of Race and Racism*. Thomson-Gale, New York.
- 2007 **Hawks, John**. Samuel George Morton. In Moore, J., ed. *Encyclopedia of Race and Racism*. Thomson-Gale, New York.
- 2003 **Hawks, John**. Evolution and the spread of humans. Pp. 498-503 in Krech, S., McNeill, J. and Merchant, C., eds. *Encyclopedia of World Environmental History*. Routledge, New York.

Book reviews

- 2014 **Hawks, John.** Review of *The Big Ratchet* by Ruth DeFries. *The Wall Street Journal*.
- 2013 **Hawks, John.** Review of *The Story of the Human Body* by Daniel Lieberman. *The Wall Street Journal*.
- 2013 **Hawks, John.** Twisting the tale of human evolution (review of *Paleofantasy*, by Marlene Zuk). *Nature*.
- 2012 **Hawks, John.** Ancestors in our DNA (review of *Lone Survivors*, by Chris Stringer). *New Scientist* March 10, 2012: 52.
- 2012 **Hawks, John.** “Life on Earth”: The future of textbooks? *Download the Universe* <http://www.downloadtheuniverse.com/dtu/2012/03/life-on-earth-the-future-of-textbooks.html>
- 2012 **Hawks, John.** From the gene up (review of *Cells to Civilizations*, by Enrico Coen). *New Scientist* June 9, 2012: 48.
- 2012 **Hawks, John.** Telegraphing *What Technology Wants*. *Download the Universe* <http://www.downloadtheuniverse.com/dtu/2012/06/telegraphing-what-technology-wants.html>
- 2012 **Hawks, John.** Review of *Homo mysterious* by David Barash. *BBC Focus*, October 2012.
- 2011 **Hawks, John.** Review of *Not a Chimpanzee: The Hunt to Find the Genes that Make us Human* by Jeremy Taylor. *American Journal of Physical Anthropology* 144:500–501.
- 2011 **Hawks, John.** The latest chapter in the story of our ancestors (review of *The Origin of Our Species*, by Chris Stringer). *New Scientist* July, 2011.
- 2003 **Hawks, John.** Review of *Reflections of Our Past* by John Relethford. *PaleoAnthropology* 2003.05.02.1-20.
- 2003 **Hawks, John.** Review of *The Dawn of Human Culture* by Richard Klein and Blake Edgar. *Human Nature Review* 3:229–232.

Technical comments and letters

- 2016 Traynor, Sarah, Alia N. Gurtov, Jess Hutton Senjem and **John Hawks**. Reply to Dunbar et al. (2015). *American Journal of Physical Anthropology* 159:361.
- 2015 Traynor, Sarah, Alia N. Gurtov, Jess Hutton Senjem and **John Hawks**. Reply to Schillaci (2015): Correlation between multiple variables among extant primates is insufficient for predicting unknown values in extinct hominins. *American Journal of Physical Anthropology* 158:524.
- 2015 **Hawks, John**, Darryl J. de Ruiter and Lee R. Berger. Comment on “Early Homo at 2.8 Ma from Ledi-Geraru, Afar, Ethiopia”. *Science* 348:1326-1326.
- 2011 Johnson, Eric M. and **John Hawks**. Comment on McLean et al. (2011), Human-specific loss of regulatory DNA and the evolution of human-specific traits. *Nature* 471: 216–219. doi:10.1038/nature09774
- 2002 Wolpoff, Milford H., Brigitte Senut, Martin Pickford, and **John Hawks**. Paleoanthropology: *Sahelanthropus* or “Sahelpithecus”? *Nature* 419(6907):581–2; discussion 582.

- 2001 **Hawks, John.** The Y chromosome and the replacement hypothesis. *Science* 293:567a.
- 1999 **Hawks, John** and Milford H. Wolpoff. Endocranial capacity of early hominids. *Science* 283:9b.

Articles and essays

- 2016 **Hawks, John.** Humans never stopped evolving. *The Scientist* August, 2016.
- 2016 **Hawks, John.** The latest on *Homo naledi*. *American Scientist* 104: 198.
- 2016 **Hawks, John.** Are humans still evolving? Growing evidence suggests we are. *New Scientist* July 23, 2016.
- 2016 **Hawks, John.** Cave yields new limb to human family tree. *Wisconsin State Journal* May 8, 2016.
- 2016 **Hawks, John.** ¿Quiénes son realmente nuestros ancestros? *Ciencia Hoy* 25:40–45.
- 2016 **Hawks, John.** Human evolution is more a muddy delta than a branching tree. *Aeon* <https://aeon.co/opinions/human-evolution-is-more-a-muddy-delta-than-a-branching-tree>
- 2015 **Hawks, John.** *Homo naledi*: determining the age of fossils is not an exact science. *The Conversation: Africa* <https://theconversation.com/homo-naledi-determining-the-age-of-fossils-is-not-an-exact-science-47840>
- 2015 **Hawks, John.** *Homo naledi* fossil discovery a triumph for open access and education. *The Conversation: Africa* <https://theconversation.com/homo-naledi-fossil-discovery-a-triumph-for-open-access-and-education-47726>
- 2013 **Hawks, John.** Are humans the greatest things created by the human hand? *Nautilus* <http://nautil.us/blog/are-humans-the-greatest-things-created-by-the-human-hand>
- 2013 **Hawks, John.** How has the human brain evolved? *Scientific American* <http://www.scientificamerican.com/article.cfm?id=how-has-human-brain-evolved>
- 2013 **Hawks, John.** Ankles of the australopithecines. In: William A. Haviland, Harold L. Prins, Dana Walrath and Bunny McBride, eds. *Cultural Anthropology: The Human Challenge*. Cengage Learning, New York.
- 2012 **Hawks, John.** Can Bioengineers Make Human Beings More Sustainable? *Slate* March 16, 2012.
- 2012 **Hawks, John.** Best practices and tips for Twitter in the higher-ed classroom. *Florida Communication Association Newsletter* March, 2012.
- 2011 **Hawks, John.** What's wrong with anthropology? *Anthropologies* 2001:7. <http://www.anthropologiesproject.org/2011/10/whats-wrong-with-anthropology.html>
- 2011 **Hawks, John.** Atapuerca desde otra vista (Atapuerca from another view, in Spanish). *Periódico de Atapuerca*. 1:16.
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- 2009 **Hawks, John.** Uncovering Ardi. *Seed*
http://seedmagazine.com/content/article/uncovering_ardi/
- 2009 **Hawks, John.** How strong is a chimpanzee? *Slate* February 25, 2009.
- 2006 **Hawks, John.** How African are you? What genealogical testing won't tell you. *Slate*
March 15, 2006. <http://www.slate.com/id/2138059>
- 2006 **Hawks, John.** Expert commentary on Lucy's baby. *Scientific American* online, September 28, 2006.
- 2005 **Hawks, John.** Science picks sides in evolution debate. *Wisconsin State Journal* August 7, 2005:B2.

Published abstracts

- 2017 Bastir, Markus, Daniel García-Martínez, Scott A. Williams, Marc R. Meyer, Shahed Nalla, Peter Schmid, Alon Barash, Motoharu Oishi, Naomichi Ogiwara, Steven E. Churchill, **John Hawks** and Lee R. Berger. Geometric morphometrics of hominoid thoraces and its bearing for reconstructing the ribcage of *H. naledi*. *American Journal of Physical Anthropology* vol 162 supplement 64: 111–112.
- 2017 Delezene, Lucas K., Joel D. Irish, Matthew W. Skinner, Juliet Brophy, **John Hawks** and Lee R. Berger. Metric variation in *Homo naledi* molars. *American Journal of Physical Anthropology* vol 162 supplement 64: 160.
- 2017 Holloway, Ralph L., Shawn Hurst, Heather M. Garvin, Tom Schoenemann, Will B. Vanti, **John Hawks** and Lee R. Berger. *Homo naledi* posterior endocasts and their significance for understanding brain reorganization. *American Journal of Physical Anthropology* vol 162 supplement 64: 220.
- 2017 Hurst, Shawn D., Ralph L. Holloway, Heather M. Garvin, Tom Schoenemann, William B. Vanti, **John Hawks** and Lee R. Berger. *Homo naledi*'s frontal lobe: Modern in form, ancestral in size. *American Journal of Physical Anthropology* vol 162 supplement 64: 225.
- 2017 Torres, Sheila Nicole, Daniel García-Martínez, Jennifer Eyre, Scott A. Williams, **John Hawks**, Caroline VanSickle and Markus Bastir. Allometry, sexual dimorphism in human ossa coxae, and its relevance for understanding human torso variation. *American Journal of Physical Anthropology* vol 162 supplement 64: 383.
- 2017 Traynor, Sarah and **John Hawks**. The limb proportions of *Homo naledi*. *American Journal of Physical Anthropology* vol 162 supplement 64: 385–386.
- 2017 Uy, Jeanelle, Kaedan O'Brien and **John Hawks**. Pregnancy and the upper volumetric expansion of the barrel-shaped ribcage in *Hylobates* and *Homo*. *American Journal of Physical Anthropology* vol 162 supplement 64: 390.
- 2016 Bolter, Debra R., Zachary Cofran, Christopher S. Walker, Matthew M. Skinner, Barry Bogin, Noel Cameron, Lee R. Berger and **John Hawks**. Assessment of life stages of the individuals at Rising Star. *American Journal of Physical Anthropology* vol 159 supplement 62: 99.
- 2016 Brophy, Juliet K., Lucas K. Delezene, Alia N. Gurtov, **John Hawks**, Joel D. Irish and Darryl J. de Ruiter. A morphometric examination of *Homo naledi* teeth from Dinaledi Chamber, Rising Star cave system, South Africa. *American Journal of Physical Anthropology* vol 159 supplement 62: 103.

- 2016 Delezene, Lucas K., Juliet K. Brophy, Matthew M. Skinner, Alia N. Gurtov, **John Hawks**, Joel D. Irish, Lee R. Berger and Darryl J. de Ruiter. Metric and nonmetric features of the *Homo naledi* dentition. *American Journal of Physical Anthropology* vol 159 supplement 62: 128.
- 2016 Edlund, Sarah E., Jeanelle Uy, Sarah E. Traynor and **John Hawks**. Assessing the relationship between mandibular shape and endocranial volume. *American Journal of Physical Anthropology* vol 159 supplement 62: 136.
- 2016 Elliott, Marina C., Paul H. G. M. Dirks, Lee R. Berger, Eric M. Roberts, Jan D. Kramers, **John Hawks**, Patrick S. Randolph-Quinney, Charles M. Musiba, Steven E. Churchill, Darryl J. de Ruiter, Peter Schmid, Lucinda R. Backwell, Georgy A. Belyanin, Pedro Boshoff, K. Lindsay Hunter, Elen M. Feuerriegel, Alia N. Gurtov, James du. G. Harrison, Rick Hunter, Ashley Kruger, Hannah Morris and Becca Peixotto. Geological and taphonomic context of excavations within the Rising Star cave system. *American Journal of Physical Anthropology* vol 159 supplement 62: 138.
- 2016 Feuerriegel, Elen M., David J. Green, Christopher S. Walker, Peter Schmid, **John Hawks**, Lee R. Berger and Steven E. Churchill. The shoulder and upper limb of *Homo naledi*. *American Journal of Physical Anthropology* vol 159 supplement 62: 142.
- 2016 Garvin, Heather M., Marina C. Elliott, Lucas K. Delezene, **John Hawks**, Steven E. Churchill, Lee R. Berger and Trenton W. Holliday. Body size and sexual dimorphism in *H. naledi*. *American Journal of Physical Anthropology* vol 159 supplement 62: 152.
- 2016 **Hawks, John**. Millennial-scale population dynamics and the anthropology of introgression. *American Journal of Physical Anthropology* vol 159 supplement 62: 170.
- 2016 Kivell, Tracy L., Andrew S. Deane, Matthew W. Tocheri, Caley M. Orr, Peter Schmid, **John Hawks**, Lee R. Berger and Steven E. Churchill. Functional interpretation of the *Homo naledi* hand. *American Journal of Physical Anthropology* vol 159 supplement 62: 192.
- 2016 Kruger, Ashley, Patrick S. Randolph-Quinney, **John Hawks**, Paul H. G. M. Dirks, Eric M. Roberts, Marina C. Elliott and Lee R. Berger. Spatial taphonomic reconstruction of the Dinaledi Chamber, Rising Star Cave, by the use of high resolution three-dimensional modalities lends support to the deliberate disposal of hominin remains. *American Journal of Physical Anthropology* vol 159 supplement 62: 197.
- 2016 Skinner, Matthew M., Annabelle L. Lockey, Philipp Gunz, **John Hawks** and Lucas K. Delezene. Enamel-dentine junction morphology and enamel thickness of the Dinaledi dental collection. *American Journal of Physical Anthropology* vol 159 supplement 62: 293.
- 2016 Throckmorton, Zach, William E. H. Harcourt-Smith, Kimberly Congdon, Bernhard Zipfel, Jeremy DeSilva, Caroline VanSickle, Scott Williams, Marc Meyer, Thomas Cody Prang, Christopher Walker, Damiano Marchi, Daniel Garcia-Martinez, Steven E. Churchill, **John Hawks** and Lee R. Berger. *Homo naledi* strides again: preliminary reconstructions of an extinct hominin's gait. *American Journal of Physical Anthropology* vol 159 supplement 62: 314.
- 2016 Traynor, Sarah, Christopher S. Walker and **John Hawks**. Crural index of immature *Homo naledi*. *American Journal of Physical Anthropology* vol 159 supplement 62: 317.
- 2016 VanSickle, Caroline, Zachary D. Cofran, Daniel Garcia-Martinez, Scott A. Williams, Steven E. Churchill, Lee R. Berger and **John Hawks**. Primitive pelvic features in a new species of *Homo*. *American Journal of Physical Anthropology* vol 159 supplement 62: 321.

- 2016 Walker, Christopher S., Jeremy M. DeSilva, Trenton W. Holliday, Damiano Marchi, Heather M. Garvin, Zachary Cofran, **John Hawks**, Lee R. Berger and Steven E. Churchill. Relative length of the immature *Homo naledi* tibia U.W. 101-1070: evidence for elongation of the leg. *American Journal of Physical Anthropology* vol 159 supplement 62: 326.
- 2016 Williams, Scott A., Daniel Garcia-Martinez, Marc R. Meyer, Shahed Nalla, Peter Schmid, **John Hawks**, Steven E. Churchill, Lee R. Berger and Markus Bastir. The axial skeleton and scaling of the trunk in *Homo naledi*. *American Journal of Physical Anthropology* vol 159 supplement 62: 335.
- 2015 **Hawks, John**. Education and outreach components of the Rising Star Expedition and Rising Star Workshop. *American Journal of Physical Anthropology* vol 156 supplement 60: 161.
- 2014 Senjem, Jess, Alia Gurtov, Sarah Traynor and **John Hawks**. Assessing testability of brain-based hypotheses about Neandertal behavior. *American Journal of Physical Anthropology* vol 153 supplement 58: 236.
- 2014 Traynor, Sarah, and **John Hawks**. Open science and paleoanthropology. *American Journal of Physical Anthropology* vol 153 supplement 58: 256.
- 2014 Candilio, Francesca, **John Hawks**, Andrea Cucina, and Alfredo Coppa. Dental nonmetric traits and geography. *American Journal of Physical Anthropology* vol 153 supplement 58: 90.
- 2013 Sams, Aaron and **John Hawks**. Analysis of archaic introgression in Ötzi the Tyrolean Iceman, a 5300 year-old prehistoric modern human. *American Journal of Physical Anthropology* vol 150 supplement 56: 239.
- 2013 **Hawks, John**. Sense and sensitivity in Neandertals and Denisovans. *American Journal of Physical Anthropology* vol 150 supplement 56: 145.
- 2012 **Hawks, John**. Assessing the pattern of Neandertal ancestry in living human populations. *American Journal of Physical Anthropology* vol 147 supplement 54: 162.
- 2012 **Hawks, John**. Plenary Session: Bringing Fossil Casts Into the Open. *American Journal of Physical Anthropology* vol 147 supplement 54:31.
- 2011 Sams, Aaron and **John Hawks**. Paleogenomics, diet, and immune function. *American Journal of Physical Anthropology* vol 144 supplement 52:261.
- 2011 Kissel, Marc and **John Hawks**. Selection vs. drift in Neandertals. *American Journal of Physical Anthropology* vol 144 supplement 52:187.
- 2011 **Hawks, John**. Deep genealogy, Neandertal ancestors, and our accelerating evolution. *American Journal of Physical Anthropology* vol 144 supplement 52:158.
- 2010 Kissel, Marc and **John Hawks**. Statistical analysis demonstrating the species distinctions of the Lothagam and Tabarin mandibles. *American Journal of Physical Anthropology* vol 141 supplement 50:154.
- 2010 Sams, Aaron and **John Hawks**. Assessing changes in stature and body size scaling from *Australopithecus* to *Homo* using femoral length/iliac breadth ratios. *American Journal of Physical Anthropology* vol 141 supplement 50:257.
- 2010 **Hawks, John**. The diversity of recent positive selection in human populations. *American Journal of Physical Anthropology* vol 141 supplement 50:122.

- 2008 **Hawks, John.** Adaptive evolution of human hearing and the appearance of language. *American Journal of Physical Anthropology* vol 135 supplement 46:114.
- 2008 **Hawks, John.** Recent adaptive evolution of human genes related to hearing. Pp. 435-436 in Smith ADM et al., eds. *The Evolution of Language. Proceedings of the 7th International Conference (EVOLANG7)*. World Scientific Publishing.
- 2008 Kissel, Marc and **John Hawks.** A behavioral and anatomical evaluation of the *Homo helmei* hypothesis. *PaleoAnthropology* 2008 (supplement): 13.
- 2007 **Hawks, John.** Acceleration of adaptive evolution in modern humans. *American Journal of Physical Anthropology* vol 132 supplement 44:127.
- 2005 **Hawks, John.** Brain-body allometry and the mind of early *Homo* *American Journal of Physical Anthropology* vol 126 supplement 40:113.
- 2004 **Hawks, John.** Paleodeme genetic diversity: pitfalls and prospects. *American Journal of Physical Anthropology* vol 120 supplement 38: 110.
- 2003 **Hawks, John.** The browridge: Pleistocene body armor? *American Journal of Physical Anthropology* vol 117 supplement 36: 112.
- 2001 Eller, Elise, **John Hawks,** and John R. Relethford. Population extinction and recolonization in human demographic history. *American Journal of Physical Anthropology* vol 114 supplement 32:62.
- 2001 Enflo, Per, **John Hawks,** and Milford H. Wolpoff. A simple reason why Neandertal ancestry can be consistent with current DNA information. *American Journal of Physical Anthropology* vol 114 supplement 32:62.
- 2001 **Hawks, John.** Pleistocene *Homo* and the genetics of speciation. *American Journal of Physical Anthropology* vol 114 supplement 32:77-78.
- 2001 Hawks, John and Milford H. Wolpoff. The Accretion model of Neandertal evolution. *Journal of Human Evolution* 40(3):A10.
- 2000 Frayer, David W., **John Hawks,** and Rachel Caspari. Population structure in late Pleistocene and recent Europeans. *American Journal of Physical Anthropology* vol 107 supplement 30:152-153.
- 1999 Caspari, Rachel and **John Hawks.** Changes in population structure in Late Pleistocene Eurasians. *American Journal of Physical Anthropology* vol 106 supplement 28:103.
- 1999 **Hawks, John.** Population bottlenecks and human evolution. *American Journal of Physical Anthropology* vol 106 supplement 28:147.
- 1999 Wolpoff, Milford H., **John Hawks,** Stephen Oh, Keith Hunley, Seth Dobson, Graciela Cabana, and Praveen Dayalu. An Australasian test of the Recent African Origin theory using the WLH-50 calvarium. *American Journal of Physical Anthropology* vol 106 supplement 28:280.
- 1998 Ahern, James C. M., **John Hawks,** and Sang-Hee Lee. Patterns of variation within two samples of South-Central European Neandertals. *American Journal of Physical Anthropology* vol 105 supplement 25: 61-62.
- 1998 Ahlstrom, Christine, **John Hawks,** Keith Hunley, and Stephen Oh. Demographic history and mtDNA sequence diversity in common chimpanzees. *American Journal of Physical Anthropology* vol 105 supplement 25: 62.

- 1998 **Hawks, John.** Mismatch distributions of mtDNA may not reveal recent human population expansions. *American Journal of Physical Anthropology* vol 105 supplement 25: 95.
- 1998 **Hawks, John.** Skeletal biology, osteological variation, and race. In American Association for the Advancement of Science, ed. *Abstracts of the 1998 Meeting of the American Association for the Advancement of Science*. New York: Scientific American Press.
- 1997 **Hawks, John.** Have Neandertals left us their genes? In Luigi Luca Cavalli-Sforza and James D. Watson, eds. *Human Evolution: Abstracts presented at the 1997 CSHL meeting*. Cold Spring Harbor Laboratory Press: Cold Spring Harbor, New York.

Software

- 2009 **Hawks, John.** “Genetic drift of allele frequency”. Wolfram Demonstrations Project <http://demonstrations.wolfram.com/GeneticDriftOfAlleleFrequency/>
- 2009 **Hawks, John.** “Coalescent gene genealogies”. Wolfram Demonstrations Project <http://demonstrations.wolfram.com/CoalescentGeneGenealogies/>

Research funding

Grants

- 2016 “Open education resources for introductory biological anthropology.” (January–July 2016)
University of Wisconsin–Madison
Budget: \$2680
- 2014 “Responding and adapting to climate change: Recognizing and managing uncertainty in the physical, social, and public spheres.” (participant matching funding) (January–December 2014)
World Universities Network
Budget: \$3200
- 2013 “Human Evolution: Past and Future” massive open online course development. (February 2013–September 2014)
University of Wisconsin–Madison
Budget: \$30,000
- 2013 “Genomics in Introductory Biological Anthropology.” (January–July 2013)
Robert Wood Johnson Foundation
Budget: \$5000
- 2009 “Laboratory Modernization Grant for Skeletal and Cast Collections.” (June 2009–May 2010)
University of Wisconsin–Madison
Budget: \$95,765
- 2008 “Skeletal evolution in Bronze Age to Medieval Europe.” (June–August 2008)
Graduate School, University of Wisconsin–Madison
Budget: \$8000

- 2006 “Evolutionary dynamics of the Neandertal-modern transition in Europe.” (May–July 2006)
Graduate School, University of Wisconsin–Madison
Budget: \$17,600
- 2003 “Genetic differentiation of hominoid subspecies.” (June–August 2003)
Graduate School, University of Wisconsin–Madison
Budget: \$10,300
- 1998 Project: Digitizing legacy paleoanthropological data (June–August 1998)
Rackham School of Graduate Studies, University of Michigan
Budget: \$2500
- 1992 “The Shakespearean fool as social outsider.”
Younger Scholar Program, National Institute for the Humanities
Budget: \$2000

Fellowships

- 1999–2002 Postdoctoral Research Fellowship
Human Molecular Evolution and Demography Group, University of Utah
- 1994–1998 Jacob K. Javits Graduate Fellowship
U.S. Department of Education
- 1994 Regents Fellowship (declined)
Rackham School of Graduate Studies, University of Michigan
- 1994 Phi Kappa Phi Graduate Fellowship
Phi Kappa Phi Honorary Society

Teaching

Ph.D. committee chair

- current Sarah Traynor, University of Wisconsin–Madison.
- current Jeanelle Uy, University of Wisconsin–Madison.
- 2014 Marc Kissel, Ph.D., University of Wisconsin–Madison (currently postdoc at Notre Dame University).
- 2013 Zachary Throckmorton, Ph.D., University of Wisconsin–Madison (currently assistant professor at Lincoln Memorial University).
- 2012 Aaron Sams, Ph.D., University of Wisconsin–Madison (currently research scientist at Embark).

Ph.D. committee member

- current Jess Senjem, University of Wisconsin–Madison
- 2016 Alia Gurtov, University of Wisconsin–Madison
- 2013 Melissa Reiland, Ph.D., University of Wisconsin–Madison
- 2011 Luisa Arnedo, Ph.D., University of Wisconsin–Madison
- 2010 Leslie Seltzer, Ph.D., University of Wisconsin–Madison
- 2003 Kristin Hallin, Ph.D., University of Wisconsin–Madison

Master’s advisees

- 2015 Jeanelle Uy, University of Wisconsin–Madison
- 2014 Sarah Traynor, University of Wisconsin–Madison
- 2010 Aaron Sams, University of Wisconsin–Madison
- 2009 Zachary Throckmorton, University of Wisconsin–Madison
- 2006 Michael Corcoran, University of Wisconsin–Madison

Master’s committee member

- 2007 Michael Tilkins, University of Wisconsin–Madison (Zoology)

Courses taught

Workshops

- Bioinformatics for human evolution
- Teaching evolution
- Public communication of science
- Online methods in teaching

Elementary

- Principles of Biological Anthropology
- Laboratory in Biological Anthropology
- (Four-field) Introduction to Anthropology
- Exploring Biology

Intermediate

Human Evolution

Anthropological Genetics

Evolutionary Biology

Anthropological Theory and Ethnography

Human Adaptation

Advanced

Evolutionary Population Genetics

Biology of Mind

Evolution of the Genus *Homo*

Hominin Origins

Modern Human Origins

Professional service

Policy

- 2012 Advisory Council, Teaching Evolution through Human Examples. Smithsonian Institution (National Museum of Natural History) project for AP Biology (secondary) instruction.
- 2012 White paper: Public interests in data from federally funded research. In response to "Request for Information on Public Access to Digital Data Resulting from Federally Funded Research" by the White House Office of Science and Technology.

Editorial

2006–present Associate Editor, *PLoS ONE*

Grant referee

Biotechnology and Biological Sciences Research Council, United Kingdom

National Research Council, Canada

National Research Foundation, South Africa

National Science Foundation, United States

National Geographic Society

Manuscript referee*American Anthropologist**American Journal of Physical Anthropology**American Scientist**Behavior and Brain Sciences**Current Anthropology**Homo**Human Biology**Journal of Anthropological Sciences**Journal of Human Evolution**Molecular Biology and Evolution**PLoS Genetics**PLoS ONE**Proceedings of the National Academy of Sciences, U. S. A.**Proceedings of the Royal Society of London, Series B, Biological Sciences**Trends in Genetics***University service**

2008–present Evolution Coordinating Committee

2010–present Executive Committee, James F. Crow Institute for the Study of Evolution

2015–2016 Content, Sharing, and Open Educational Resources group, UW–Madison.

2015 Representative to Unizin Video Management requirements committee.

2014–2015 University General Education Committee

2012–2014 Chair, Curriculum Committee, College of Letters and Science

2011–2014 Curriculum Committee, College of Letters and Science

2011–2014 Academic Planning Council, College of Letters and Science

2009–2011 Evolution Curriculum Committee, James F. Crow Institute for the Study of Evolution

Department service*Tenure review and search committees not listed.*

Associate Chair (2011–2016)

Undergraduate Advisor (2011–2016)

Merit and Budget committee (2012–2016; chair 2014–2016)

Graduate Awards and Admissions committee (2002–2010; chair 2008–2010)
 Undergraduate Curriculum and TA Policies committee (2012–2016; chair 2013–2016)
 Faculty Awards committee (2008–2009; 2012–2013)
 Space committee (2008–2009; 2012–2013)
 Lectures and Colloquia committee (2002–2004; 2007–2008)
 Biological Anthropology Curator (2003–2011)
 Curation committee (2010–2016)
 Archaeological Chemistry Laboratory committee (2013–2016)

Presentations

Invited lectures

- 2017 Silverstein Lecture Series. Northwestern University, Evanston, IL.
 “Almost Human: How New Discoveries from South Africa Change Our View of Human Origins.”
- 2016 University of Wisconsin–Marathon County, Wausau, WI.
 “Finding human ancestors in the Cradle of Humankind.”
- 2016 Department of Molecular, Cellular and Biomedical Sciences, University of New Hampshire, Durham, NH.
 “Population structure, endogamy and selection in modern human origins.”
- 2016 Department of Anthropology, University of New Hampshire, Durham, NH.
 “Finding *Homo naledi*.”
- 2016 Saul O. Sidore Memorial Lecture Series, University of New Hampshire, Durham, NH.
 “Probing human ancestry with ancient DNA.”
- 2016 Tulane University, New Orleans, LA.
 “Where does *Homo naledi* fit into our evolutionary history?”
- 2016 Wisconsin Alumni Association Board, Laguna Beach, CA.
 “*Homo naledi*”
- 2016 Wisconsin Alumni Association Chapter, Palm Beach, CA.
 “*Homo naledi*”
- 2016 Center for Mind, Brain and Culture, Emory University, Atlanta, GA.
 “*Homo naledi* and the Evolution of Human Behavior.”
- 2015 Distinguished Lecture Series, University of Wisconsin–Madison.
 “Discovering *Homo naledi*”
- 2015 Archaeological Institute of America–Milwaukee Chapter, University of Wisconsin–Milwaukee.
 “The Rising Star Expedition and the discovery of *Homo naledi*.”

- 2015 Harvard University, Cambridge, MA.
“The Rising Star Expedition and *Homo naledi*.”
- 2015 Cambridge University, Cambridge U.K.
“The Rising Star Expedition and *Homo naledi*.”
- 2015 Cradle of Humankind Visitor Centre, Mogale, South Africa.
“Announcement of *Homo naledi*.” (co-presenter)
- 2015 University of Maine, Orono, ME.
“The Rising Star Expedition.”
- 2015 University of Maine, Orono, ME.
“Discoveries from ancient human genomes.”
- 2015 University of Illinois, Urbana, IL.
“The Rising Star Expedition.”
- 2015 University of Wisconsin–La Crosse.
“Booting up humanity.”
- 2015 University of Wisconsin–La Crosse.
“The Rising Star Expedition.”
- 2014 Kalb Memorial Lecture, Rice University, Houston, TX.
“How genetics is expanding and deepening history.”
- 2013 Chicago Humanities Festival, Chicago, IL.
“Are we the last Neanderthals?”
- 2013 Hrvatski prirodoslovni muzej, Zagreb, Croatia.
“Learning about Neandertals from ancient genomes.”
- 2013 Department of Anthropology, University of Utah. Salt Lake City, UT.
“Systems genetics and ancient genomes: Insights into Neandertal and Denisovan biology”.
- 2012 Department of Anthropology, University of Alabama. Tuscaloosa, AL.
“Human evolution during the Holocene.”
- 2012 Alabama Lectures on Life’s Evolution (ALLELE) series. Tuscaloosa, AL.
“Neandertime: How ancient genomes are transforming our past and present.”
- 2012 University of Colorado. Boulder, CO.
“Learning about Neandertals and ourselves from ancient genomes.”
- 2012 Institute for Human Evolution, University of the Witwatersrand. Johannesburg, South Africa.
“Further insights from ancient genomes.”
- 2012 University of the Witwatersrand. Johannesburg, South Africa.
“Systems genetics and ancient human genomes”

- 2012 Université de Bordeaux. Bordeaux, France.
“Archaic human genomes and human evolution.”
- 2012 Denver Museum of Nature and Science. Denver, CO.
“Exploring the genomes of Neandertals.”
- 2012 University of Colorado–Denver, Department of Anthropology.
“Paleogenomics and the evolution of Neandertals and Denisovans.”
- 2012 University of Michigan, Ann Arbor, Laboratory of Paleoanthropology.
“Probing the genetics of the australopithecines.”
- 2012 University of Michigan, Ann Arbor, Department of Psychology.
“Behavioral implications of archaic human genomes.”
- 2011 University of Birmingham. Birmingham, U.K.
“Neandertals, Natural Selection, and the Mystery of Denisova Cave.”
- 2011 University of the Witwatersrand. Johannesburg, South Africa.
“Genomes of Neandertals and Denisovans and the emergence of modern humans.”
- 2011 University of Rome “Sapienza”. Rome, Italy.
“Neandertal genomes and human evolution”
- 2011 University of Florence. Florence, Italy.
“Uncovering secrets from ancient genomes”
- 2011 Aarhus University. Aarhus, Denmark.
“Uncovering secrets from ancient genomes”
- 2011 National Children’s Medical Center. Washington, D. C.
“Ancient genomes and Neandertal biology”
- 2011 Harriet Elliott Lecture, University of North Carolina, Greensboro. Greensboro, North Carolina.
“Neandertal genetics and human evolution.”
- 2010 Princeton Summer Archaeology Program. Bordeaux, France.
“Neandertal genetics.”
- 2010 University of Wisconsin–Milwaukee. Milwaukee, Wisconsin.
“The great Neandertal comeback: How genomic-era science is breathing life into our ancestors”
- 2010 Darwin Day lecture, University of Georgia. Athens, Georgia.
“Neandertal genetics and human evolution.”
- 2009 University of Leiden. Leiden, Netherlands.
“Using genetics to probe human evolution.”

- 2009 University of Wisconsin–Whitewater. Whitewater, WI.
Darwin Day keynote lecture: “Neandertals, Darwin and the Sicilian mafia: What do they have in common?”
- 2009 University of Chicago, Department of Human Genetics. Chicago, IL.
“Spatial dynamics, recent selection, and language dispersal.”
- 2008 The Ohio State University. Columbus, OH.
“Language dispersals, natural selection and human population dynamics”
- 2007 Museum of Anthropology, University of Michigan. Ann Arbor, Michigan.
“Why is human evolution accelerating?”
- 2007 University of Tennessee. Knoxville, Tennessee.
“Neandertal Viagra and other wonders of the genomic age”
- 2007 University of Tennessee. Knoxville, Tennessee.
“Why is human evolution accelerating?”
- 1998 University of Pennsylvania Museum. Philadelphia, PA.
“Population genetic inferences about prehistory.”

Invited conference keynote lectures

- 2016 Rethinking Leadership Conference, Madison, WI.
“Leadership lessons from the field.”
- 2016 Biology Leadership Community, New Orleans, LA.
“Discovering human ancestors in the Cradle of Humankind.”
- 2015 PBS Digital Education Summit, Philadelphia, PA.
“*First Peoples* and education.”
- 2014 David W. Smith Workshop on Morphogenesis.
“Changing perspectives on Neandertals from ancient DNA.”
- 2013 International Celiac Disease Symposium, Chicago, IL.
“Evolutionary history of celiac disease.”
- 2012 Société d’Anthropologie de Paris. Bordeaux, France.
“Communication inaugurale: The genomes of archaic humans: demographic and functional insights.”
- 2011 National Association of Biology Teachers. Anaheim, California.
“Neandertal genetics and human evolution.”
- 2009 New Horizons, National Association of Science Writers. Austin, Texas.
“Why is human evolution accelerating?”
- 2009 IEEE Aerospace Conference. Big Sky, Montana.
Keynote lecture: “Why is human evolution accelerating?”

Symposium organizer

- 2016 American Association of Physical Anthropologists, Atlanta, GA.
“The biology of *Homo naledi*.”
- 2006 Wisconsin Symposium in Human Biology (co-organizer)
“Primate and human evolution.”

Invited symposium presentations

- 2016 American Association of Physical Anthropologists. Atlanta, GA.
“Millennial-scale population dynamics and the anthropology of introgression.”
- 2015 ZiF Research Group Conference, “Interdisciplinary Perspectives on Genetic and Social Causes of Life Chances”, Bielefeld, Germany.
“Recent evolution and population growth as factors in contemporary human variation.”
- 2015 Radcliffe Institute Symposium on the Present and Future of DNA. Harvard University, Cambridge, MA.
“Ancient DNA and human evolution.”
- 2015 Calpe 2015 Conference, Gibraltar.
“Extraordinary lecture: The discovery of *Homo naledi*”, “We found the Neanderthals inside us. Now what?”
- 2015 American Association of Physical Anthropologists. St. Louis, MO.
“Education and outreach components of the Rising Star Expedition and Rising Star Workshop.”
- 2014 Symposium on the African Hominin Fossil Record, Toulouse, France.
“Fossils and molecules: Thoughts on ancient DNA and the African record.”
- 2014 Calpe 2014 Conference, Gibraltar.
“Human evolution education/outreach and World Heritage.”
- 2014 International Symposium on cultural developments in the Eurasian Paleolithic and the origin of anatomically modern humans, Denisova Field Camp, Russia.
“The Rising Star hominin sample.”
- 2013 International Union of Anthropological and Ethnological Societies, Manchester, UK.
“Denisova: An Unexpected Window into Human Origins.”
- 2013 American Association of Physical Anthropologists. Knoxville, TN.
“Plenary workshop: Fossil casts.”
- 2013 American Association for Anthropological Genetics. Knoxville, TN.
“Teaching with paleogenomics.”
- 2012 American Anthropological Association. San Francisco, CA.
“Archaic human genomes: Expanding the boundaries of our species.”

- 2012 Calpe 2012 Conference. The Human Niche: Biology Behavior and Culture in the Genus *Homo*. Gibraltar.
“Population dynamics of Pleistocene people from the perspective of ancient genomes.”
- 2012 Indonesian-American Kavli Frontiers of Science Symposium. Solo, Indonesia.
“Evolutionary background of human genetic variation and selection.”
- 2012 Consilience Conference. University of Missouri-St. Louis.
“Feedbacks and forcings in human cultural and biological evolution.”
- 2012 American Association of Physical Anthropologists. Portland, OR.
“Plenary Session: Bringing Our Casts Into the Open.”
- 2011 American Anthropological Association. Montreal, Canada.
“Recent acceleration of human evolution: When genes break.”
- 2011 International Symposium on the Middle-Upper Paleolithic Transition in Central Asia. Denisova Field Camp, Russia.
“Distribution of archaic genes in living human populations”
- 2011 American Association of Physical Anthropologists. Minneapolis, Minnesota.
“Deep genealogy, Neandertal ancestors, and our accelerating evolution.”
- 2011 Society of American Archaeologists. Sacramento, California.
“Neandertal genetics and modern human origins.”
- 2010 Symposium on DNA, Genetics and the History of Mankind. Banbury Center, Cold Spring Harbor Laboratories, New York
“Recent positive selection as a tracer of population history.”
- 2010 Cultural Psychology Symposium, Stanford University. Palo Alto, California.
“Some implications of recent strong selection.”
- 2009 Human evolution symposium, Naturalis Museum. Leiden, Netherlands.
“Genetics of early *Homo*”
- 2008 Evolution, Culture, and Human Behavior: Perspectives from Different Disciplines. University of California–Irvine. Irvine, CA.
“Recent adaptive evolution of human hearing.”
- 2008 Santa Fe Institute. Santa Fe, NM.
“The human impact of the Last Glacial Maximum.”
- 2007 American Anthropological Association. Washington, DC.
“Rapid selection, genetic reorganization and modern human origins.”
- 2006 Conference on “The Origin and Fate of Neanderthals,” Salk Institute, La Jolla, CA.
“Combining morphology and population genetics”
- 2005 American Anthropological Association, Washington, DC.
“Ethics in paleoanthropology and genetics.”

- 2005 Neanderthals Revisited symposium. New York University, New York, NY.
“Neandertal population genetics.”
- 2001 American Anthropological Association. Washington, DC.
“One hundred years of modern human origins in the AAA.”
- 2001 American Association of Physical Anthropologists. Kansas City, MO.
“Pleistocene *Homo* and the genetics of speciation.”
- 1999 Krapina Centenary Conference. Zagreb, Croatia.
“Neandertal genetics.”
- 1999 International Association for Quaternary Research. Durban, South Africa.
“African influence on Pleistocene human evolution.”
- 1999 International Workshop at the Neanderthal Museum. “Central and Eastern Europe from 50,000 to 30,000 B.P.” Mettmann, Germany.
“A population genetic model for Neandertal DNA.”
- 1998 American Association for the Advancement of Science. Philadelphia, PA.
“Skeletal Biology, Osteological Variation, and Race.”

Invited panels

- 2015 American Association for Anthropological Genetics. St. Louis, MO.
Panelist on public outreach in genetics.
- 2013 Workshop on the Evolution of the Indoor Biome, National Evolution Synthesis Center (NESCent), Duke University, Durham, NC.
- 2011 Science Communication Workshop. University of North Carolina, Chapel Hill.

Contributed conference presentations

- 2014 American Association of Physical Anthropologists. Calgary, Canada.
“Non-metric dental traits and geography.”
- 2013 American Association of Physical Anthropologists. Knoxville, TN.
“Sense and sensitivity in Neandertals and Denisovans.”
- 2012 American Association of Physical Anthropologists. Portland, OR.
“Assessing the pattern of Neandertal ancestry in human populations.”
- 2012 ScienceOnline2012. Raleigh, North Carolina.
“Using blogs in the classroom.”
- 2011 ScienceOnline2011. Research Triangle Park, North Carolina.
“Art in Science”, “Blogging on the tenure track”, “How to migrate your blog.”
- 2010 American Association of Physical Anthropologists. Albuquerque, New Mexico.
“The diversity of recent positive selection in human populations.”

- 2008 American Association of Physical Anthropologists. Columbus, OH.
“Recent adaptive evolution of human hearing.”
- 2007 American Association of Physical Anthropologists, Philadelphia, PA.
“Acceleration of human adaptive evolution”
- 2005 American Association of Physical Anthropologists. Milwaukee, WI.
“Brain-body allometry and the mind of early *Homo*.”
- 2005 Paleoanthropology Society. Milwaukee, WI.
“Population size, disease, and the evolution of aging.”
- 2004 American Association of Physical Anthropologists. Tampa, FL.
“Paleodeme genetic diversity: pitfalls and prospects.”
- 2001 Paleoanthropology Society. Kansas City, MO.
“The Accretion model of Neandertal evolution.”
- 2000 American Association of Physical Anthropologists. San Antonio, TX.
“Population structure in Late Pleistocene and recent Europeans.”
- 1999 American Association of Physical Anthropologists. Columbus, OH.
“Population bottlenecks and human evolution.”
- 1998 American Association of Physical Anthropologists. Salt Lake City, UT.
“Mismatch distributions of mtDNA may not reveal recent human population expansions.”
- 1997 Cold Spring Harbor Symposium on Human Evolution. Cold Spring Harbor Laboratory, New York.
“Have Neandertals left us their genes?”

Local invited presentations

- 2016 Downtown Rotary Club, Madison, WI.
“Newest members of the human family tree.”
- 2016 Wisconsin Alumni Association, Lakeland Chapter.
“Finding human ancestors in the Cradle of Humankind.”
- 2016 TEC, Middleton, WI.
“Discovering human ancestors in the Cradle of Humankind.”
- 2016 Africa at Noon Seminar, University of Wisconsin–Madison.
“Uncovering new stories of the human past in South Africa.”
- 2016 University Roundtable, University of Wisconsin–Madison.
“Finding human ancestors in the Cradle of Humankind.”
- 2016 Wednesday Nite at the Lab, University of Wisconsin–Madison.
“Discovering *Homo naledi*.”

- 2016 Verona High School, Verona, WI.
“Anthropology.”
- 2015 New Century School, Verona, WI.
“Finding ancient bones.”
- 2015 Archaeology Brown Bag, University of Wisconsin–Madison.
“*Homo naledi* and the Rising Star Expedition.”
- 2015 Panelist, Wisconsin Science Festival.
“Big Ideas for Busy People.”
- 2015 Panelist, Wisconsin Science Festival.
“Global Wisconsin Idea.”
- 2015 Panelist, Wisconsin Alumni Research Foundation.
“The importance of basic research.”
- 2015 College of Letters and Science Board of Visitors.
“Discovery of *Homo naledi*.”
- 2015 Friends of the University of Wisconsin–Madison Arboretum.
“Rising Star Expedition.”
- 2014 Wednesday Nite at the Lab, University of Wisconsin–Madison.
“Modern human origins.”
- 2014 Wisconsin Science Festival, Madison, WI.
“Rising Star Expedition.”
- 2014 UW-Madison BioHouse.
“Rising Star Expedition.”
- 2014 MadBiology Boot Camp, University of Wisconsin–Madison.
“Color vision in primates.”
- 2014 First Unitarian Society, Madison, WI.
“New Frontiers in Human Evolution: Fossil, Hominids, Genes and Population Genetics”
- 2014 Panelist, UW-Madison Science Café.
“Who Sciences Harder?”
- 2013 Panelist and Convenor, Letters and Science plenary.
“Online and distance education.”
- 2013 New Century School, Verona, WI.
“Rising Star Expedition.”
- 2013 Wisconsin Science Festival, University of Wisconsin–Madison Institute for the Humanities.
“Booting up humanity.”

- 2013 Center for Demography of Health and Aging Seminar.
“Life history and work in evolution.”
- 2013 Systems Biology Seminar.
“Functional networks versus evolutionary networks.”
- 2013 MadBiology Boot Camp, University of Wisconsin–Madison.
“Evolution of bipedalism.”
- 2013 Van Hise Society, UW Foundation.
Panelist on “MOOCs and the Wisconsin Idea.”
- 2013 PEOPLE Program, University of Wisconsin–Madison.
“Anthropology and human evolution.”
- 2013 Environment on Tap, Nelson Institute, UW-Madison.
“How ancient DNA is transforming human evolution.”
- 2013 Wisconsin Institute for Discovery. Science communication workshop.
“The Art of Conversation.”
- 2013 Chaos and Complex Systems Seminar, University of Wisconsin–Madison.
“How are complex adaptations built? Using cultural and genetic convergence to understand evolving systems.”
- 2013 Panelist, UW-Madison Faculty Institute on Teaching.
- 2012 Hearing and Donuts, aka Brain and Bagels Seminar.
“What we know about the evolution of language, featuring the Neandertals.”
- 2012 Department of Genetics, University of Wisconsin–Madison.
“Systems genetics and human population history.”
- 2012 MadBiology Boot Camp, University of Wisconsin–Madison.
“Neandertal DNA and human origins.”
- 2012 Panelist, UW-Madison Faculty Institute on Teaching.
- 2012 College Days. “Learning about ancient genomes.”
- 2012 University of Wisconsin Teaching and Learning Symposium.
“Teaching Beyond the Walls of the Classroom with Lecture Capture”
- 2012 Wisconsin Institute for Discovery, University of Wisconsin–Madison.
Panelist, “Science Writing in an Age of Denial.”
- 2012 Dairy Forage Research Institute, University of Wisconsin–Madison.
“Exploring Neandertal and Denisovan genes.”
- 2011 Charles E. Brown Archaeological Society, Madison, WI.
“Archaeology and paleogenomics of the Altai.”

- 2011 New Century School, Verona, WI.
“Science notebooks.”
- 2011 Darwin Day lecture, University of Wisconsin–Madison.
“Neandertal genetics and human evolution.”
- 2011 Darwin Day teacher workshop, University of Wisconsin–Madison.
“Human evolution and genetics.”
- 2010 University of Wisconsin–Madison Library.
Panelist, “Putting the Wisconsin Idea online.”
- 2010 Science Pub, Madison, WI.
“Neandertal genomes.”
- 2010 Prairie Unitarian Congregation, Madison WI.
“*Ardipithecus*”
- 2009 Science Pub, Madison, WI.
“Human evolution.”
- 2009 Darwin Day symposium, University of Wisconsin–Madison.
“Recent adaptive evolution of human hearing and the evolution of language.”
- 2008 Department of Zoology Colloquium, University of Wisconsin–Madison.
“Spatial diffusion, accelerating selection, and language dispersal: Beyond the edge of chaos.”
- 2008 Institute for Research in the Humanities, University of Wisconsin–Madison.
Panel participant, “What is Human”
- 2008 Wisconsin Public Radio, Here on Earth program,
“Race in the race.”
- 2008 Wednesday Nite at the Lab, University of Wisconsin–Madison.
“Why is human evolution accelerating?”
- 2008 New Century School, Verona, WI.
“Human evolution.”
- 2008 University of the Air program,
“Ongoing human evolution.”
- 2008 Climate, People and the Environment Program seminar, University of Wisconsin–Madison.
“Accelerating evolution and human environments.”
- 2008 Chaos and Complexity Seminar, University of Wisconsin–Madison.
“Why is human evolution accelerating?”
- 2007 Behavioral Interdisciplinary Seminar lecture,
“Risk, life history, and Neandertal social dynamics.”

- 2007 Summer Research Mentorship Program, Department of Genetics.
“Human evolution.”
- 2006 Department of Genetics Retreat, University of Wisconsin–Madison.
Panel discussant, “Evolution versus creationism.”
- 2007 Summer Research Mentorship Program, Department of Genetics.
“Human evolution.”
- 2006 Evolution Seminar Series, University of Wisconsin–Madison.
“Why has human evolution been accelerating?”
- 2005 Guest commentator to “Journey of Man,” Wisconsin Public Television
- 2005 Department of Genetics, University of Wisconsin–Madison.
Panel discussant, “Human genetics and evolution.”
- 2003 Archaeology Brown Bag, University of Wisconsin–Madison.
“Kinship and effective population size in human evolution.”
- 2003 Behavioral Interdisciplinary Seminar, University of Wisconsin–Madison.
“Kinship and population structure.”
- 2003 Evolution Discussion Group lecture
- 2003 Zoology Colloquium, Department of Zoology
“Effective population size, genetic variation and population structure.”