

# 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.

## Professional appointments

- from 2014 **Vilas-Borghesi Distinguished Achievement Professor**, Department of Anthropology, University of Wisconsin–Madison
- from 2018 **Visiting Professor**. Evolutionary Studies Institute, University of the Witwatersrand
- from 2002 **Affiliate Faculty**. Department of Integrative Biology, University of Wisconsin–Madison

- 2019–2023 **Associate Chair**, Department of Anthropology, University of Wisconsin–Madison
- 2016–2017 **Research Associate**, Evolutionary Studies Institute, University of the Witwatersrand
- 2013–2017 **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

- 2023 Kellett Mid-Career Award  
University of Wisconsin–Madison
- 2021 Van Hise Outreach Teaching Award  
University of Wisconsin–Madison
- 2017 Ken and Linda Ciriacks Alumni Outreach Excellence Award  
University of Wisconsin–Madison Foundation and Wisconsin 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>  
Statistics 2018–2022: 1.7 million page views from 919,000 users worldwide. 46% of visitors from outside U.S.
- 2013–2014 **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.

### Video series

- 2014 **Human Evolution: Past and Future.**  
Eight-week massive open online course (MOOC), presented on Coursera. 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

- 2023 **Unknown: Cave of Bones** (Netflix). Consultant and on-screen expert.
- 2020 **Expedition Unknown: After the Hunt** (Discovery Channel). On-screen expert.
- 2020 **Expedition Unknown: The Hunt for Our Ancient Ancestors** (Discovery Channel). On-screen expert.
- 2018 **Origins** (UW-Madison Communications, for Big Ten Network). Consultant and on-screen expert.
- 2017 **Speaking Evolution** (Alabama Public Television). On-screen expert.
- 2017 **Is Human Evolution Still Ongoing?** (Probono, for Arte). On-screen expert.
- 2017 **Africa's Great Civilizations** (Nutopia, for PBS). On-screen expert.
- 2016 **The Evolution of Us** (Magellan TV). 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). Consultant and 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 Neanderthal Code** (Wall to Wall Productions, for National Geographic). Consultant and on-screen expert.

## Publications

### Books

- 2023 Berger, Lee R. and **John Hawks**. *Cave of Bones: A True Story of Discovery, Adventure, and Human Origins*. National Geographic Books, Washington, DC.
- 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.

### Scholarly articles and book chapters

- 2023 Fuentes, Agustín, Marc Kissel, Penny Spikins, Keneiloe Molopyane, *John Hawks*, and Lee R. Berger. Burials and engravings in a small-brained hominin, *Homo naledi*, from the late Pleistocene: contexts and evolutionary implications. *eLife* 12. <https://doi.org/10.7554/eLife.89125.1>
- 2023 Berger, Lee R., Tebogo Makhubela, Keneiloe Molopyane, Ashley Krüger, Patrick Randolph-Quinney, Marina Elliott, Becca Peixotto, Agustín Fuentes, Paul Tafforeau, Vincent Beyrand, Kathleen Dollman, Zubair Jinnah, Angharad B. Gillham, Kenneth Broad, Juliet Brophy, Gideon Chinamatira, Paul H. M. Dirks, Elen Feuerriegel, Alia Gurtov, Nompumelelo Hlophe, Lindsay Hunter, Rick Hunter, Kudakwashe Jakata, Corey Jaskolski, Hannah Morris, Ellie Pryor, Maropeng Ramalepa, Eric Roberts, Jacqueline S. Smilg, Mathabela Tsikoane, Steven Tucker, Dirk van Rooyen, Kerryn Warren, Colin D. Wren, Marc Kissel, Penny Spikins and **John Hawks** (2023). Evidence for deliberate burial of the dead by *Homo naledi*. *eLife* 12. <https://doi.org/10.7554/eLife.89106>
- 2023 Lee R. Berger, Lee R., **John Hawks**, Agustín Fuentes, Dirk van Rooyen, Mathabela Tsikoane, Maropeng Ramalepa, Samuel Nkwe, and Keneiloe Molopyane. 241,000 to 335,000 Years Old Rock Engravings Made by *Homo naledi* in the Rising Star Cave system, South Africa. *eLife* 12. <https://doi.org/10.7554/eLife.89102.1>
- 2023 Bolter, Debra R., Noel Cameron, **John Hawks**, Steven E. Churchill, Lee Berger, Robin Bernstein, Julia C. Boughner, Sarah Elton, A. B. Leece, Patrick Mahoney, Keneiloe Molopyane, Tesla A. Monson, Jill Pruetz, Lawrence Schell, Kyra E. Stull, and Christopher A. Wolfe. Addressing the growing fossil record of subadult hominins by reaching across disciplines. *Evolutionary Anthropology: Issues, News, and Reviews* 32: 180–184. <https://doi.org/10.1002/evan.21995>.
- 2023 Delezene, Lucas K., Matthew M. Skinner, Shara E. Bailey, Juliet K. Brophy, Marina C. Elliott, Alia Gurtov, Joel D. Irish, Jacopo Moggi-Cecchi, Darryl J. de Ruiter, **John Hawks**, and Lee R. Berger. Descriptive catalog of *Homo naledi* dental remains from the 2013 to 2015 excavations of the Dinaledi Chamber, Site U.W. 101, within the Rising Star cave system, South Africa. *Journal of Human Evolution* 180: 103372. <https://doi.org/10.1016/j.jhevol.2023.103372>.
- 2022 Askapuli, Ayken, Miguel G. Vilar, Humberto Garcia-Ortiz, Maxat Zhabagin, Zhaxylyk Sabitov, Ainur Akilzhanova, Erlan Ramanculov, Uli Schamiloglu, Angelica Martinez-Hernandez, Cecilia Contreras-Cubas, Francisco Barajas-Olmos, Theodore G. Schurr, Zhaxybay Zhumadilov, Marlen Flores-Huacuja, Lorena Orozco, **John Hawks**, and Naruya Saitou. Kazak mitochondrial genomes provide insight into the human population history in Central Eurasia. *PLoS ONE* 17(11): e0277771. <https://doi.org/10.1371/journal.pone.0277771>

- 2022 Williams, Scott A., Iris Zeng, Jordan S. Guerra, Shahed Nalla, Marina Elliott, **John Hawks**, Lee R. Berger, and Marc R. Meyer. *Homo naledi* lumbar vertebrae and a new 3D method to quantify vertebral wedging. *American Journal of Biological Anthropology* 179(3): 491–500. <https://doi.org/10.1002/ajpa.24621>
- 2022 Balzeau, Antoine, Lou Albessard-Ball, Anna Maria Kubicka, Andréa Filippo, Amélie Beaudet, Elena Santos, Thibault Bienvenu, Juan-Luis Arsuaga, Antonis Bartsiokas, Lee Berger, José María Bermúdez de Castro, Michel Brunet, Kristian J. Carlson, Joan Daura, Vassilis G. Gorgoulis, Frederick E. Grine, Katerina Harvati, **John Hawks**, Andy Herries, Jean-Jacques Hublin, Jiaming Hui, Rachel Ives, Josephine A. Joordens, Yousuke Kaifu, Mirsini Kouloukoussa, Baptiste Léger, David Lordkipanidze, Ann Margvelashvili, Jesse Martin, María Martínón-Torres, Hila May, Aurélien Mounier, Anton du Plessis, Todd Rae, Carolin Röding, Montserrat Sanz, Patrick Semal, Dominic Stratford, Chris Stringer, Mirriam Tawane, Heiko Temming, Evangelia Tsoukala, João Zilhão, Bernhard Zipfel, and Laura T. Buck. Frontal sinuses and human evolution. *Science Advances* 8(42): eabp9767. <https://doi.org/10.1126/sciadv.abp9767>
- 2022 Traynor, Sarah, David J. Green, and **John Hawks**. The relative limb size of *Homo naledi*. *Journal of Human Evolution* 170: 103235. <https://doi.org/10.1016/j.jhevol.2022.103235>
- 2022 **Hawks, John**. Taking human origins research into the next decade. *General Anthropology* 29(1): 3–7.
- 2022 Cofran, Zachary, Caroline VanSickle, Reynaldo Valenzuela, Daniel García-Martínez, Christopher S. Walker, **John Hawks**, Bernhard Zipfel, Scott A. Williams, and Lee R. Berger. The immature *Homo naledi* ilium from the Lesedi Chamber, Rising Star Cave, South Africa. *American Journal of Biological Anthropology* 179(1): 3–17. <https://doi.org/10.1002/ajpa.24522>
- 2022 **Hawks, John** and Lee R. Berger. Mandibular ramus morphology and species identification in *Australopithecus sediba*. *South African Journal of Science* 118(3/4). <https://doi.org/10.17159/sajs.2022/12544>
- 2022 Tommy, Kimberleigh and **John Hawks**. Strategizing public-facing work within an academic career. *American Journal of Human Biology* e23699. <https://doi.org/10.1002/ajhb.23699>
- 2021 Brophy, Juliet K., Marina C. Elliott, Darryl J. De Ruiter, Debra R. Bolter, Steven E. Churchill, Christopher S. Walker, **John Hawks**, and Lee R. Berger. Immature Hominin Craniodental Remains From a New Locality in the Rising Star Cave System, South Africa. *PaleoAnthropology* 2021.1: 1–14. <https://doi.org/10.48738/2021.iss1.64>
- 2021 Elliott, Marina C., Tebogo V. Makhubela, Juliet K. Brophy, Steven E. Churchill, Becca Peixotto, Elen M. Feuerriegel, Hannah Morris, Rick Hunter, Steven Tucker, Dirk Van Rooyen, Maropeng Ramalepa, Mathabela Tsikoane, Ashley Kruger, Carl Spandler, Jan Kramers, Eric Roberts, Paul H.G.M. Dirks, **John Hawks**, and Lee R. Berger. Expanded Explorations of the Dinaledi Subsystem, Rising Star Cave System, South Africa. *PaleoAnthropology* 2021.1:15–22. <https://doi.org/10.48738/2021.iss1.68>
- 2021 **Hawks, John**. Accurate depiction of uncertainty in ancient DNA research: The case of Neandertal ancestry in Africa. *Journal of Social Archaeology* 21: 179–196. <https://doi.org/10.1177/1469605321995616>
- 2021 **Hawks, John**. Ranking humanity among the primates: A reflection on Darwin’s Chapter 6. On the Affinities and Genealogy of Man. Pp. 160–182 in DeSilva, Jeremy M., ed., *A*

- Most Interesting Problem. Human Evolution 150 Years After Darwin's Descent of Man.* Princeton University Press, Princeton, NJ.
- 2020 Scerri, Eleanor M. L., Denise Kühnert, James Blinkhorn, Huw S. Groucutt, Patrick Roberts, Andrea Zerboni, Emuobosa Akpo Orijemie, Huw Barton, Ian Candy, Steve Goldstein, **John Hawks**, Didier N'Dah, Khady Niang, Kathleen Nicoll, Michael D. Petraglia and Nicholas Vella. Field based sciences must transform in response to COVID-19. *Nature Ecology and Evolution* 4:1571–1574. <https://doi.org/10.1038/s41559-020-01317-8>
- 2020 Wagner, Jennifer K., Chip Colwell, Katrina G. Claw, Anne C. Stone, Deborah A. Bolnick, **John Hawks**, Kyle B. Brothers and Nanibaa' A. Garrison. Fostering responsible research on ancient DNA. *American Journal of Human Genetics* 107(2): 183–195. <https://doi.org/10.1016/j.ajhg.2020.06.017>
- 2020 Uy, Jeanelle, **John Hawks** and Caroline VanSickle. Sexual dimorphism of the relationship between the gut and pelvis in humans. *American Journal of Physical Anthropology* e24084. <https://doi.org/10.1002/ajpa.24084>
- 2020 Bolter, Debra R., Marina C. Elliott, **John Hawks** and Lee R. Berger. Immature remains and the first partial skeleton of a juvenile *Homo naledi*, a late Middle Pleistocene hominin from South Africa. *PLoS ONE* 15(4): e0230440. <https://doi.org/10.1371/journal.pone.0230440>
- 2020 **Hawks, John** and Lee R. Berger. On *Homo naledi* and its significance in evolutionary anthropology. Pp. 51–68 in Deane-Drummond, Celia and Agustín Fuentes (editors), *Theology and Evolutionary Anthropology: Dialogues in Wisdom, Humility and Grace*. Routledge, New York.
- 2019 Fox, Keolu and **John Hawks**. Use ancient remains more wisely. *Nature* 572: 581–583. <https://doi.org/10.1038/d41586-019-02516-5>
- 2019 Walker, Christopher S., Zachary D. Cofran, Mark Grabowski, Damiano Marchi, Rebecca W. Cook, Steven E. Churchill, Kimberleigh A. Tommy, Zachary Throckmorton, Ann H. Ross, **John Hawks**, Gabriel S. Yapuncich, Adam P. Van Arsdale, Frederika I. Rentzeperis, Lee R. Berger, and Jeremy M. DeSilva. Morphology of the *Homo naledi* femora from Lesedi. *American Journal of Physical Anthropology* 81: 5–23. <https://doi.org/10.1002/ajpa.23877>
- 2019 Friedl, Lukas, Alex G. Claxton, Christopher S. Walker, Steven E. Churchill, Trenton W. Holliday, **John Hawks**, Lee R. Berger, Jeremy M. DeSilva, and Damiano Marchi. Femoral neck and shaft structure in *Homo naledi* from the Dinaledi Chamber (Rising Star System, South Africa). *Journal of Human Evolution* 133: 61–77. <https://doi.org/10.1016/j.jhevol.2019.06.002>
- 2019 Feuerriegel, Elen M., Jean-Luc Voisin, Steven E. Churchill, Martin Haeusler, Sandra Mathews, Peter Schmid, **John Hawks**, and Lee R. Berger. Upper limb fossils of *Homo naledi* from the Lesedi Chamber, Rising Star System, South Africa. *PaleoAnthropology* 2019: 311–349. <https://doi.org/10.4207/PA.2019.ART134>
- 2019 Brophy, Juliet K., Joel Irish, Steve E. Churchill, Darryl J. de Ruiter, **John Hawks**, and Lee R. Berger. A comparison of hominin teeth from Lincoln Cave, Sterkfontein L/63, and the Dinaledi Chamber, South Africa. *South African Journal of Science* 115(5/6): 1–3. <https://doi.org/10.17159/sajs.2019/5739>
- 2019 de Ruiter, Darryl J., Myra F. Laird, Marina Elliott, Peter Schmid, Juliet Brophy, **John Hawks**, and Lee R. Berger. *Homo naledi* cranial remains from the Lesedi chamber of the Rising Star cave system, South Africa. *Journal of Human Evolution* 132: 1–14. <https://doi.org/10.1016/j.jhevol.2019.03.019>

- 2019 Berger, Lee R. and **John Hawks**. *Australopithecus prometheus* is a *nomen nudum*. *American Journal of Physical Anthropology* 168(2): 383–387. <https://doi.org/10.1002/ajpa.23743>
- 2019 **Hawks, John**. How can archaeologists make a difference to media and public perceptions of ancient DNA? *The SAA Archaeological Record* 19(1): 39–43.
- 2018 Elliott, Marina C., Rolf Quam, Shahed Nalla, Darryl J. de Ruiter, **John Hawks** and Lee R. Berger. Description and analysis of three *Homo naledi* incuscles from the Dinaledi Chamber, Rising Star cave (South Africa). *Journal of Human Evolution* 122:146–155. <https://doi.org/10.1016/j.jhevol.2018.06.008>
- 2018 Holloway, Ralph L., Shawn D. Hurst, Heather M. Garvin, P. Thomas Schoenemann, William B. Vanti, Lee R. Berger, and **John Hawks**. Endocast morphology of *Homo naledi* from the Dinaledi Chamber, South Africa. *Proceedings of the National Academy of Sciences, U.S.A.* 115(22): 5738–5743. <https://doi.org/10.1073/pnas.1720842115>
- 2018 VanSickle, Caroline, Zachary D. Cofran, Daniel Garcia-Martinez, Scott A. Williams, Steven E. Churchill, Lee R. Berger and **John Hawks**. *Homo naledi* pelvic remains from the Dinaledi Chamber, South Africa. *Journal of Human Evolution* 125: 122–136. <https://doi.org/10.1016/j.jhevol.2017.10.001>
- 2018 Bolter, Debra A., **John Hawks**, Barry Bogin and Noel Cameron. Palaeodemographics of individuals in Dinaledi Chamber using dental remains. *South African Journal of Science* 114(1/2): 1–6. <https://doi.org/10.17159/sajs.2018/20170066>
- 2017 **Hawks, John**. Introgression makes waves in inferred histories of effective population size. *Human Biology* 89(1): 65–78. <https://www.muse.jhu.edu/article/682964>
- 2017 Marwick, Ben, Jade d’Alpoim Guedes, C. Michael Barton, Lynsey A. Bates, Michael Baxter, Andrew Bevan, Elizabeth A. Bollwerk, R. Kyle Bocinsky, Tom Brughmans, Alison K. Carter, Cyler Conrad, Daniel A. Contreras, Stefano Costa, Enrico R. Crema, Adrienne Daggett, Benjamin Davies, B. Lee Drake, Thomas S. Dye, Phoebe France, Richard Fullagar, Domenico Giusti, Shawn Graham, Matthew D. Harris, **John Hawks**, Sebastian Heath, Damien Huffer, Eric C. Kansa, Sarah Witcher Kansa, Mark E. Madsen, Jennifer Melcher, Joan Negre, Fraser D. Neiman, Rachel Opitz, David C. Orton, Paulina Przystupa, Maria Ravielle, Julien Riel-Salvatore, Philip Riris, Iza Romanowska, Jolene Smith, Néhémie Strupler, Isaac I. Ullah, Hannah G. Van Vlack, Nathaniel VanValkenburgh, Ethan C. Watrall, Chris Webster, Joshua Wells, Judith Winters, and Colin D. Wren. Open science in archaeology. *The SAA Archaeological Record* 17(4): 8–14.
- 2017 **Hawks, John**. Neandertals and Denisovans as biological invaders. *Proceedings of the National Academy of Sciences, U.S.A.* 114:9761–9763. <https://doi.org/10.1073/pnas.1713163114>
- 2017 Garvin, Heather M., Marina C. Elliott, Lucas K. Delezene, **John Hawks**, Steven E. Churchill, Lee R. Berger, and Trenton W. Holliday. Body size, brain size, and sexual dimorphism in *Homo naledi* from the Dinaledi Chamber. *Journal of Human Evolution* 111: 119–138. <https://doi.org/10.1016/j.jhevol.2017.06.010>
- 2017 de Ruiter, Darryl J., Steven E. Churchill, **John Hawks** and Lee R. Berger. Late australopiths and the emergence of *Homo*. *Annual Review of Anthropology* 46: 99–115. <https://doi.org/10.1146/annurev-anthro-102116-041734>
- 2017 **Hawks, John**, Marina Elliott, Peter Schmid, Steven E. Churchill, Darryl J. de Ruiter, Eric M. Roberts, Hannah Hilbert-Wolf, Heather M. Garvin, Scott A. Williams, Lucas K. Delezene, Elen M. Feuerriegel, Patrick Randolph-Quinney, Tracy L. Kivell, Myra F. Laird,



- Gaokgatlhe Tawane, Jeremy M. DeSilva, Shara E. Bailey, Juliet K. Brophy, Marc R. Meyer, Matthew M. Skinner, Matthew W. Tocheri, Caroline VanSickle, Christopher S. Walker, Timothy L. Campbell, Brian Kuhn, Ashley Kruger, Steven Tucker, Alia Gurtoy, Nompumelelo Hlophe, Rick Hunter, Hannah Morris, Becca Peixotto, Maropeng Ramalepa, Dirk van Rooyen, Mathabela Tsikoane, Pedro Boshoff, Paul H. G. M. Dirks, and Lee R. Berger. New fossil remains of *Homo naledi* from the Lesedi Chamber, South Africa. *eLife* 6: e24232. <https://doi.org/10.7554/eLife.24232>
- 2017 Dirks, Paul H. G. M., Eric M. Roberts, Hannah Hilbert-Wolf, Jan D. Kramers, **John Hawks**, Anthony Dosseto, Mathieu Duval, Marina Elliott, Mary Evans, Rainer Grün, John Hellstrom, Andy I. R. Herries, Renaud Joannes-Boyau, Tebogo V. Makhubela, Christa J. Placzek, Jessie Robbins, Carl Spandler, Jelle Wiersma, Jon Woodhead, and Lee R. Berger. The age of *Homo naledi* and associated sediments in the Rising Star Cave, South Africa. *eLife* 6: e24231. <https://doi.org/10.7554/eLife.24231>
- 2017 Berger, Lee R., **John Hawks**, Paul H. G. M. Dirks, Marina Elliott, and Eric M. Roberts. *Homo naledi* and Pleistocene hominin evolution in subequatorial Africa. *eLife* 6: e24234. <https://doi.org/10.7554/eLife.24234>
- 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. <https://doi.org/10.1016/j.jhevol.2016.09.013>
- 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. <https://doi.org/10.1016/j.jhevol.2016.09.009>
- 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. <https://doi.org/10.1016/j.jhevol.2016.11.003>
- 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. <https://doi.org/10.17159/sajs.2016/a0177>
- 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. <https://doi.org/10.1016/j.jhevol.2016.02.004>
- 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. <https://doi.org/10.1080/0035919X.2016.1178186>
- 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.

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- 2018 Elliott, Marina C., Becca Peixotto, Hannah Morris, Elen M. Feuerriegel, Steven Tucker, Rick Hunter, Maropeng Ramalepa, Mathabela Tsikoane, Eric M. Roberts, Carl Spandler, **John Hawks** and Lee R. Berger. Hominin material recovered from the base of the Chute in the Hill Antechamber, in the Dinaledi Chamber System of the Rising Star Cave. *American Journal of Physical Anthropology* vol 165 supplement 66: 76.
- 2018 Friedl, Lukas, Alexander G. Claxton, Christopher S. Walker, Steven E. Churchill, Trenton W. Holliday, **John Hawks**, Lee R. Berger, Jeremy M. DeSilva and Damiano Marchi. Femoral neck and shaft structure in *Homo naledi*. *American Journal of Physical Anthropology* vol 165 supplement 66: 90.
- 2017 Kruger, Ashley, Patrick Randolph-Quinney, Marina Elliott, **John Hawks** and Lee R. Berger. Spatial taphonomy and post-mortem disarticulation patterns of the *Homo naledi* assemblage from the Dinaledi Chamber, Rising Star Cave. *Proceedings of the European Society for the Study of Human Evolution* 6: 106.
- 2017 **Hawks, John** and Lee R. Berger. *Homo naledi* and the evolutionary context of subequatorial Africa. *Proceedings of the European Society for the Study of Human Evolution* 6: 86.
- 2017 Bastir, Markus, Daniel García-Martínez, Scott A. Williams, Marc R. Meyer, Shahed Nalla, Peter Schmid, Alon Barash, Motoharu Oishi, Naomichi Ogihara, 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-Martinez, 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. Deleuzene. 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

- 2020 “Investigating mortuary practices in *Homo naledi*, a window into the roots of human culture.” (May 2021–August 2024)  
John Templeton Foundation  
Budget: \$225,745

- 2020 Instructional Laboratory Modernization Grant (co-PI with Elizabeth Leith)  
University of Wisconsin–Madison  
Budget: \$70,000
- 2019 “*Homo naledi* in the context of modern human origins.” (July 2019– June 2021)  
Office of the Vice Chancellor for Research and Graduate Education, University of  
Wisconsin–Madison.  
Budget: \$28,050
- 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 Endowment for the Humanities  
Budget: \$2000

## Fellowships

- 2016–2017 Fulbright U.S. Scholar  
United States Department of State
- 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 Ayken Askapuli, University of Wisconsin–Madison.
- current Erica Noble, University of Wisconsin–Madison.
- 2020 Sarah Edlund, University of Wisconsin–Madison. (currently Teaching Faculty of Integrative Biology, University of Wisconsin–Madison).  
*An Assessment of the Skeletal Morphology of the Hand of Theropithecus gelada.*
- 2019 Jeanelle Uy, Ph.D., University of Wisconsin–Madison. (currently Assistant Professor of Anthropology at California State University, Long Beach).  
*Gut Size and Its Relationship with the Ribcage and Pelvis in Humans and Nonhuman Primates.*
- 2017 Sarah E. Traynor, Ph.D., University of Wisconsin–Madison (currently Associate Lecturer of Anatomy, University of Wisconsin–Madison School of Medicine and Public Health).  
*An Evaluation of Resampling Methods Applied to Unassociated Fossil Assemblages and a Quantitative Assessment of the Limb Proportions of Homo naledi.*
- 2014 Marc Kissel, Ph.D., University of Wisconsin–Madison (currently Assistant Professor of Anthropology at Appalachian State University).  
*Culture-Genetic Models of Information Exchange in Humans: Integrating Genetic, Skeletal and Archaeological Data.*
- 2013 Zachary J. Throckmorton, Ph.D., University of Wisconsin–Madison (currently Associate Professor of Anatomy at University of Colorado School of Medicine).  
*Variation and Non-adaptive Evolution of the Hominin Foot.*



- 2012 Aaron J. Sams, Ph.D., University of Wisconsin–Madison (currently Research Scientist at Embark).  
*A Natural History of Celiac Disease: Insights Into the Evolution of Complex Phenotypes.*

### **Ph.D. committee member**

- 2022 A. J. Hardie, Ph.D., University of Wisconsin–Madison  
2021 Jessica L. Skinner, Ph.D., University of Wisconsin–Milwaukee  
2016 Alia N. Gurtov, Ph.D., 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**

- current Connor Fogo, University of Wisconsin–Madison  
current Sarah N. Johnson, University of Wisconsin–Madison  
2022 Erica Noble, University of Wisconsin–Madison  
2015 Jeanelle Uy, University of Wisconsin–Madison  
2014 Sarah E. Traynor, University of Wisconsin–Madison  
2010 Aaron J. Sams, University of Wisconsin–Madison  
2009 Zachary J. 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**

- 2019 DNA Atlas advisory committee. National Geographic Society.
- 2019 Working group on ancient DNA and ethics. American Society of Human Genetics.
- 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  
European Research Council  
L. S. B. Leakey Foundation  
National Research Council, Canada  
National Research Foundation, South Africa  
National Science Foundation, United States  
National Geographic Society  
Swiss National Science Foundation

**Manuscript referee**

*American Anthropologist*  
*American Journal of Physical Anthropology*  
*American Scientist*  
*Behavior and Brain Sciences*  
*Cambridge Archaeological Journal*  
*Current Anthropology*  
*Frontiers in Genetics*  
*Homo*  
*Human Biology*  
*iScience*  
*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*  
*Quaternary Science Reviews*  
*Science Advances*  
*Scientific Reports*  
*Trends in Genetics*

**University service**

- 2019–present    Sophomore Research Fellowship Committee
- 2008–present    Evolution Coordinating Committee
- 2010–present    Executive Committee, James F. Crow Institute for the Study of Evolution
- 2020–2023    Social Sciences Divisional Committee
- 2019–2023    University of Wisconsin–Madison Faculty Senate
- 2015–2016    Content, Sharing, and Open Educational Resources group, University of Wisconsin–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, personnel review and search committees not listed.*

- Associate Chair (2011–2016, 2019–2023)
- Undergraduate Advisor (2011–2016, 2019–2023)
- Merit and Budget committee (2012–2016; chair 2014–2016)
- Graduate Awards and Admissions committee (2002–2010, 2017–2018; chair 2008–2010, 2017)
- Graduate Studies committee (2021–present)
- Undergraduate Curriculum and TA Policies committee (2012–2016, 2017–2018, 2019–present; chair 2013–2016, 2019–2023)
- Faculty Awards committee (2008–2009, 2012–2013, 2018–2019; chair 2018–2019)
- Space committee (2008–2009, 2012–2013, 2018–2020)
- Lectures and Colloquia committee (2002–2004, 2007–2008, 2020–present)
- Biological Anthropology Curator (2003–2011)
- Curation committee (2010–2016)
- Archaeological Chemistry Laboratory committee (2013–2016)
- Events committee [2020–present]

## Presentations

### Invited lectures

- 2023 University of Copenhagen, Copenhagen, Denmark.  
“Understanding *Homo naledi*.”
- 2022 Milwaukee Public Museum, Milwaukee, WI.  
“Human ancestors in the caves of South Africa.”
- 2022 Kansas State University, Manhattan, KS.  
“From Kansas State to the Cradle of Humankind.”
- 2021 Badger Talks Live, University of Wisconsin–Madison.  
“The new mysteries of human origins.”
- 2020 PalaeoTalks, University of Evora, Portugal.  
“*Homo naledi* and the questions that will push human origins research forward in the 2020s”
- 2020 Down Ancient Trails series, Sharma Centre for Heritage Education, India.  
“Latest research from the Rising Star cave system, South Africa”
- 2020 North Dakota State University, Fargo, North Dakota.  
“Discoveries that shed new light on our African origin.”
- 2019 Clemson University, Clemson, South Carolina.  
“Fossils, genomes, and our African origins.”
- 2019 Wayne State University, Detroit, Michigan.  
“What makes us human?”
- 2019 Founder’s Day Distinguished Lecture, Wisconsin Alumni Association Motor City Chapter.  
“Discovering human ancestors in the caves of South Africa.”
- 2019 Tanner Lecture, Bean Life Sciences Museum, Provo, Utah.  
“The Rising Star fossil discoveries and the mysterious *Homo naledi*.”
- 2019 College Seminar, Brigham Young University, Provo, Utah.  
“How new discoveries are changing our view of modern human origins.”
- 2018 Vice President for Research and Graduate Studies Speaker Series, Michigan State University, East Lansing, MI.  
“Hybrids and Ghosts: How ancient DNA and new fossils are changing the science of human origins.”
- 2018 Institute for Vertebrate Paleontology and Paleoanthropology, Beijing, China.  
“*Homo naledi* and Middle Pleistocene Africa.”
- 2018 Founder’s Day Distinguished Lecture, Wisconsin Alumni Association Beijing Chapter.  
“Discovering human ancestors in the caves of South Africa.”

- 2018 Founder's Day Distinguished Lecture, Wisconsin Alumni Association Shanghai Chapter.  
"Discovering human ancestors in the caves of South Africa."
- 2018 Founder's Day Distinguished Lecture, Wisconsin Alumni Association Hong Kong Chapter.  
"Discovering human ancestors in the caves of South Africa."
- 2018 Distinguished Lecture, University of Wisconsin–Waukesha, Waukesha, WI.  
"Almost Human: Bringing South African Fossil Ancestors to Light."
- 2017 Nazarbayev University, Astana, Kazakhstan.  
"New discoveries of ancient hominins from the Rising Star cave system, South Africa."
- 2017 Origins Centre, University of the Witwatersrand, Johannesburg, South Africa.  
"Lecture and book launch for *Almost Human*."
- 2017 Cradle of Humankind Visitor Centre, Mogale, South Africa.  
"Age of *Homo naledi* and discovery of the Lesedi Chamber." (co-presenter)
- 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

- 2021 General Anthropology Division, American Anthropological Association. Baltimore, MD.  
“Taking the science of human origins into the next decade.”
- 2018 AeroConf IEEE Aerospace Conference 2018. Big Sky, Montana.  
“Discovering human ancestors in the Cradle of Humankind, South Africa.”
- 2018 Third Annual Symposium, Israel Academy of Sciences and Humanities, Jerusalem, Israel.  
“The braided stream: Deep time and diversity in human origins.”
- 2017 University of Johannesburg Palaeo-Research Symposium, Johannesburg, South Africa.  
“The Rising Star fossil discoveries and human origins.”
- 2017 Social Media in Academia Conference, Notre Dame University, South Bend, IN.  
“Discovering *Homo naledi*—Designing social media into fieldwork projects.”
- 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 AeroConf IEEE Aerospace Conference 2009. Big Sky, Montana.  
“Why is human evolution accelerating?”

### Symposium organizer

- 2018 American Society of Human Genetics, San Diego, CA.  
“Presidential Symposium: Origins of Our Species: Advances in Our Understanding of Ancient Humans in Africa.”
- 2016 American Association of Physical Anthropologists, Atlanta, GA.  
“The biology of *Homo naledi*.”
- 2006 Wisconsin Symposium in Human Biology, Madison, WI (co-organizer).  
“Primate and human evolution.”

### Invited symposium presentations

- 2023 Richard Leakey Memorial Conference, Turkana Basin Institute, Stony Brook, NY.  
“Opening new frontiers in human origins.”
- 2023 Wenner-Gren Symposium on Chibanian Hominin Systematics. Novi Sad, Serbia.  
“Taxonomy and hominin systematics in the Middle Pleistocene.”
- 2023 Darwin and Human Evolution Symposium, Dartmouth College, Hanover, NH.  
“Ranking humanity among the primates.”
- 2020 Symposium on “Exploring the Origin of Today’s Humans.” Center for Academic Research and Training in Anthropogeny, University of California, San Diego.  
“How *Homo naledi* matters to our origins,” “Thinking hybrid: How to engage with reticulate evolution in human origins.”
- 2019 American Association of Physical Anthropologists, Cleveland, OH.  
“Deciphering Denisovans.” Discussant.

- 2018 Presidential Symposium. Origins of Our Species: Advances in Our Understanding of Ancient Humans in Africa. American Society of Human Genetics, San Diego, CA.  
“Current status and future directions.”
- 2018 Calpe 2018 Conference, Gibraltar.  
“Who were the ancestors of the Neanderthals?”
- 2017 Stellenbosch Institute for Advanced Study, Stellenbosch, South Africa.  
“Evolution of human wisdom.” Discussant.
- 2016 Max Planck Institute for the Study of Human History. Jena, Germany.  
“African population variation and the origin of modern humans.”
- 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 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 workshops and panels

- 2023 Wenner-Gren Workshop on Hominin Growth and Development. Minden, NV.  
“The growing record of subadult fossil hominins.”
- 2023 J. F. Crow Institute for the Study of Evolution, University of Wisconsin–Madison.  
“Panel: Interactions between modern evolutionary research and human diversity”
- 2022 Cambridge University Biological Anthropology Society, Cambridge, UK.  
“Who and what is *Homo naledi*?”
- 2022 American Association of Biological Anthropologists.  
“Sharing with the public and getting the academy to count it.”
- 2021 University of the Witwatersrand, Johannesburg, South Africa.  
“A child of darkness: Discovery from the Rising Star cave system.”
- 2015 Wisconsin Science Festival, Madison, WI.  
“Panel: Big ideas for busy people.”
- 2021 Phi Beta Kappa Alpha Chapter of Wisconsin, Madison, WI.  
“Higher education reform and the value of a liberal arts education.”
- 2019 American Anthropological Association, Vancouver, Canada.  
“Navigating public engagement and media on the tenure track.”
- 2019 American Anthropological Association, Vancouver, Canada.  
“Geopolitical contexts (and conflicts) related to archaeological and bioanthropological knowledge production: the case of ancient DNA research from the North American region.”

- 2019 University of Wisconsin–Madison Alumni Association, New York, NY.  
“UW Now.”
- 2018 American Society of Human Genetics, San Diego, CA.  
“Natural selection and human origins.”
- 2018 Kavli Symposium on Science Communication. Baltimore, MD.  
Science Communicators Panel.
- 2018 Association of College and Research Libraries, Anthropology and Sociology Section.  
“Research and public engagement in an African context.”
- 2017 Wisconsin Science Festival, Madison, WI.  
“Communicating Science in the 21st Century,” “Workshop on blogging in science,”  
“Origins: The making of a UW-Madison documentary.”
- 2017 Nazarbayev University, Astana, Kazakhstan.  
“How to run a popular academic blog,” “Careers in anthropology.”
- 2017 Workshop on biological sampling of skeletal remains. Wellcome Trust, London, U.K.  
Panelist on fossil heritage.
- 2015 American Association for Anthropological Genetics. St. Louis, MO.  
Panelist on public outreach in genetics.
- 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.”
- 2013 Workshop on the Evolution of the Indoor Biome, National Evolution Synthesis Center  
(NESCent), Duke University, Durham, NC.
- 2013 American Association of Physical Anthropologists. Knoxville, TN.  
“Plenary workshop: Fossil casts.”
- 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.”
- 2011 Science Communication Workshop. University of North Carolina, Chapel Hill.

**Contributed conference presentations**

- 2023 American Association of Biological Anthropologists. Reno, NV.  
“Virtual reconstruction of *Homo naledi* crania from the Rising Star cave system, South Africa.”
- 2018 American Association of Physical Anthropologists. Austin, TX.  
“New fossil remains of *Homo naledi* from the Dinaledi Chamber, South Africa.”
- 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.”
- 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?”

**K-12 teacher and student workshops**

- 2022 Hamilton Middle School, Madison, WI.  
“How scientists study fossil human relatives.”
- 2022 Milwaukee Public Museum, Milwaukee, WI.  
“Exploring for fossil human ancestors in South Africa.”
- 2022 Cherokee Heights Middle School, Madison, WI.  
“The science of human origins.”
- 2021 Hamilton Middle School, Madison, WI.  
“How scientists study fossil human relatives.”
- 2019 Bean Life Science Museum, Provo, UT.  
“Exploration as a way of understanding evolution.”
- 2019 Institute for School Partnership, Washington University, St. Louis.  
“New discoveries and insights into our African origins.”
- 2018 Fort Atkinson High School, Fort Atkinson, WI.  
“The Rising Star fossil discoveries and human origins.”
- 2018 Junior Science and Engineering Night, Fitchburg, WI.  
“How scientists find fossils in South African caves.”
- 2017 Wendell Phillips Academy, Chicago, IL.  
“Learning about fossil hominins.”
- 2016 Verona High School, Verona, WI.  
“Anthropology.”
- 2015 New Century School, Verona, WI.  
“Finding ancient bones.”
- 2014 Wisconsin Science Festival, Madison, WI.  
“Teacher workshop: Rising Star Expedition and virtual tour.”
- 2011 New Century School, Verona, WI.  
“Science notebooks.”
- 2011 Darwin Day teacher workshop, University of Wisconsin–Madison.  
“Human evolution and genetics.”
- 2008 New Century School, Verona, WI.  
“Human evolution.”



**Local invited presentations**

- 2023 Wednesday Nite at the Lab, University of Wisconsin–Madison.  
“Finding other ancient minds across the human evolutionary tree.”
- 2022 Madison Gem and Mineral Club.  
“How ancient DNA is changing our picture of human origins.”
- 2018 Scholar’d For Life Series. Middleton Public Library.  
“The discovery of *Homo naledi*.”
- 2018 Madison West Lions Club.  
“Discovering human ancestors in Africa”
- 2018 Madison Club.  
“New fossils from South Africa and how our view of human origins is changing.”
- 2018 College of Letters and Science Board of Visitors, University of Wisconsin–Madison.  
Panelist on UW “Origins” project.
- 2018 Fourth Tuesday group, University of Wisconsin–Madison.  
“*Homo naledi* and the changing landscape of human evolution in Africa.”
- 2018 University of Wisconsin Division of Continuing Studies. Evolution: Origins and Contemporary Questions.  
“Human Evolution”
- 2018 Verona Area Historical Society, Verona, WI.  
“Finding ancient fossils in the Cradle of Humankind.”
- 2017 BioHouse, University of Wisconsin–Madison.  
“Searching for human origins in South Africa.”
- 2017 Wednesday Nite at the Lab, University of Wisconsin–Madison.  
“*Homo naledi* and human origins.”
- 2017 Climate, People, and the Environment Program Seminar, Nelson Institute Center for Climatic Research, University of Wisconsin–Madison.  
“How discoveries in South Africa are changing our view of environments in human evolution”
- 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*.”
- 2015 Archaeology Brown Bag, University of Wisconsin–Madison.  
“*Homo naledi* and the Rising Star Expedition.”
- 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 Darwin Day lecture, University of Wisconsin–Madison.  
“Neandertal genetics and human evolution.”
- 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 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.”