

CURRICULUM VITAE: Amy Ellen Chew

Professional Preparation

BSc	1996	University of Toronto	Paleontology
MSc	1998	University of Toronto	Physical Anthropology
PhD	2005	Johns Hopkins University	Functional Anatomy and Evolution
Post-doctoral training	2005-2007	Stony Brook University	Human Anatomy

Academic Positions

Curriculum Director, Gateways Program	2021-present	Brown University
Senior lecturer, EEOB Program	2021-present	Brown University
Lecturer	2017-2021	Brown University
Associate Professor of Anatomy	2014-2015	Western University of Health Sciences
Assistant Professor of Anatomy	2007-2014	Western University of Health Sciences
Instructor of Research Anatomy	2005-2007	Stony Brook University

TEACHING AWARDS

Dean's Excellence in Teaching Award, Brown Medical School	2022, 2020, 2018
Certificate of Exemplary Teaching in BIOL 3644 IMS-I: Human Anatomy I	2020
Positive Champion of the Learning Environment, Brown Medical School	2019
Award of Excellence, Best Professor, Western University of Health Sciences	2015
Outstanding Educator, Western University of Health Sciences	2014

TEACHING EXPERIENCE

Brown University:

Course Director	2021-present	Basic Medical Science TBL series (Gateways MS program)
Course Director	2017-present	Human Anatomy I and II (Gateways MS program)
Faculty team member and co-course coordinator (2020-21)	2017-present	Human Anatomy I and II (Alpert MD program)
Faculty team member	2018-2021	Human Anatomy (Bryant PA program)
Adjunct	2016-2017	Comparative vertebrate anatomy

University of Massachusetts at Dartmouth:

Adjunct	2016	Comparative vertebrate anatomy
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Rhode Island School of Design:

Adjunct	2016	Human anatomy: form and function
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Western University of Health Sciences, Pomona CA:

Course Co-Director	2015	Head and Neck Anatomy (College of Dental Medicine) – <i>Online, flipped curriculum</i>
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Course Creator and Director	2011-2015	Head and Neck Anatomy with Facilitation Training (Graduate College of Biomedical Sciences) – <i>Online, flipped curriculum in 2015</i>
Faculty team member	2007-2015	Gross Anatomy
Faculty team member	2009-2015	Interprofessional Education
Course Director	2008-2012	Head and Neck Anatomy (College of Osteopathic Medicine)
Course Director	2010-2012	Head and Neck Anatomy (Colleges of Dental and Podiatric Medicine, Optometry)
Faculty team member	2010-2012	Intensive Summer Anatomy Course
Faculty team member	2011	GI System

State University of New York at Stony Brook, Long Island:

Teaching Assistant / Lecturer	2005-2007	Anatomy of Head, Neck and Trunk (College of Dentistry)
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Eastern High School, Baltimore MD:

Guest lecturer	2003	Anatomy of the Eye
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Johns Hopkins University School of Medicine, Baltimore MD:

Teaching Assistant	2001-2002	Human Gross Anatomy
TA / Lecturer	2000	Introduction to Biological Anthropology

University of Toronto, Toronto Canada:

Teaching Assistant	1997	Primate Evolution
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RESEARCH

Publications in submission

Hanley LC, Ou J, Ritter D, Chew AE, Monteiro K and L Dumenco. Bridging Anatomy, histology, and pathology: A novel curriculum component incorporating self-directed learning for first year medical students. Submitted to *Medical Science Educator*.

Publications

- Widlansky SJ, Secord R, Snell KE, Chew AE and WC Clyde. 2022. Terrestrial carbon isotope stratigraphy and mammal turnover during post-PETM hyperthermals in the Bighorn Basin, Wyoming, USA. *Climate of the Past* 18(4): 681-712. doi: 10.5194/cp-18-681-2022.
- Selig KR, Chew AE and MT Silcox. 2021. Dietary Shifts in a Group of Early Eocene Euarchontans (Microsyopidae) in Response to Climatic Change. *Palaeontology* 64(5): 609-628. doi: 10.1111/pala.12544
- Silcox MT, Selig KR, Bown TM, Chew AE and KD Rose. 2021. Cladogenesis and replacement in the fossil record of Microsyopidae (?Primates) from the southern Bighorn Basin, Wyoming: when is a gap a punctuation? *Biology Letters* 17: 20200824. <https://doi.org/10.1098/rsbl.2020.0824>
- Conroy GC, Chew AE, Rose KD, Bown TM, Anemone RL, and GF Gunnell. 2018. Assessing unsupervised image classification as an aid to locating new faunal records of the Early Eocene Climatic Optimum (EECO) in the Bighorn Basin, Wyoming. In *New Geospatial Approaches in Anthropology*, edited by R Anemone and G Conroy. SAR Press, Santa Fe, NM.

- Chew AE. 2015. Mammal faunal response to the Paleogene hyperthermals ETM2 and H2. *Climate of the Past* 11: 1371-1405. DOI:10.5194/cp-11-1223-2015.
- Rankin BD, Fox JW, Barron-Ortiz CR, Chew AE, Holroyd PA, Ludtke JA, Yang X, and Theodor JM. 2015. The extended Price equation quantifies species selection on mammalian body size across the Palaeocene/Eocene Thermal Maximum. *Proceedings Biological sciences / The Royal Society* 282: 1812, DOI:10.1098/rspb.2015.1097.
- D'Ambrosia, AR, Clyde, WC, HC Fricke and AE Chew. 2014. Stable isotope patterns found in early Eocene equid tooth rows of North America: Implications for reproductive behavior and paleoclimate: *Palaeogeography Palaeoclimatology Palaeoecology* 414: 310-319.
- Chew AE. 2014. Mammal faunal response to the ETM2 and H2 hyperthermals. *Rendiconti online della Società Geologica Italiana* 31: 40-41.
- Chew AE and KB Oheim. 2013. Diversity and climate change in the middle-late Wasatchian (early Eocene) Willwood Formation, central Bighorn Basin, Wyoming. *Palaeogeography Palaeoclimatology Palaeoecology* 369: 67-78.
- Chew AE. 2013. The Paleocene-Eocene biotic turnover event. In *Grzimek's Animal Life Encyclopedia – Extinction*, edited by N MacLeod, JD Archibald and P Levin. Farmington Hills, MI, Gale Cengage. P 513-521.
- Rose KD, AE Chew, RH Dunn, MJ Kraus, HC Fricke and SP Zack. 2012. Earliest Eocene Mammalian Fauna from the Paleocene-Eocene Thermal Maximum at Sand Creek Divide, southern Bighorn Basin, Wyoming. *University of Michigan Papers on Paleontology* 36: 154pp. <http://deepblue.lib.umich.edu/handle/2027.42/89881>
- Chew AE. 2009. Paleocology of the Early Eocene Willwood mammal fauna from the Central Bighorn Basin, Wyoming. *Paleobiology* 35(1): 13-32.
- Chew AE and KB Oheim. 2009. The use of GIS to determine the effects of common taphonomic biases on paleoecological statistics of vertebrate fossil assemblages. *Palaios* 24: 367-376.
- Chew AE. 2009. Early Eocene mammal faunal response to temperature change in the Bighorn Basin, Wy." In *Climatic and Biotic Events of the Paleogene*, eds EM Crouch, CP Strong and CJ Hollis. Wellington, NZ: GNS Science Miscellaneous Series 18: P 21-25.
- Secord R, SL Wing and AE Chew. 2008. Stable isotopes in early Eocene mammals as indicators of forest canopy structure and resource partitioning. *Paleobiology* 34 (2): 282-300.
- Clyde WC, W Hamzi, JA Finarelli, SL Wing, D Schankler and AE Chew. 2007. A basin-wide magnetostratigraphic framework for the Bighorn Basin, Wy. *Geological Society of America Bulletin* 119 (7-8): 848-859.
- Chew AE. 2007. Mammalian Evolution. *Quarterly Review of Biology* 82(3): 251-255.
- Chew AE. 2005. Biostratigraphy, Paleocology and Synchronized Evolution in the Early Eocene Fauna of the Central Bighorn Basin, Wyoming. PhD thesis, Johns Hopkins University, 661p.
- Gagnon M and AE Chew. 2000. Dietary preferences in extant African bovidae. *Journal of Mammalogy* 81(2): 490-511.

Grants in preparation

- Krause D, Chew AE, Rose KD, Bown TM, MacKenzie K and K Nichols. Collaborative Research: Curating, digitizing and disseminating results from an unparalleled collection of fossil vertebrates from the Early Eocene Willwood Formation, Bighorn Basin, WY. Anticipated submission to NSF: DBI Capacity – Biological Collections in Sept 2023.

Funded Research Grants

- Secord R, Chew AE, CC Gilbert and S Chester. 2021. NSF/SGP: Collaborative Research Grant 2124757. Collaborative Research: Paleoenvironmental and paleoecological responses to climate change in the Early Eocene Climatic Optimum (Amount awarded to Chew: \$55,262).

- Clyde WC, Fricke H, Chew AE, Foreman B, Snell K, Currano, E and R Secord. 2016. *National Geographic Committee for Research and Exploration Collaborative Research*: Biotic and climatic changes in North America during the ETM2 and H2 hyperthermal events. (Amount awarded to Chew: personal field costs, July 2017)
- Chew AE. 2015. *Western University of Health Sciences Intramural Grant*: Documenting a set of repeated natural experiments in climate change in deep time. (Amount awarded: \$17,100).
- Chew AE. 2014. *National Geographic Society, Waitt Program*: In Pursuit of a Lost Paradise: Using Remote Sensing to Locate New Faunal and Isotopic Records of the Early Eocene Climatic Optimum. (Amount awarded: \$10,080).
- Chew AE. 2007. *NSF/SGP*: Collaborative Research Grant 0739718. Collaborative Research: Effects of Climatic/Environmental Change on the Early Eocene Mammal Fauna of the Bighorn Basin, Wyoming. (Amount transferred to Western University of Health Sciences: \$76,400).
- Chew AE. 2006. *NSF/SGP*: Collaborative Research Grant 0616430. Collaborative Research: Effects of Climatic/Environmental Change on the Early Eocene Mammal Fauna of the Bighorn Basin, Wyoming. (Amount awarded: \$84,200).
- Chew AE. 2003. *NSF/BCS*: Doctoral Dissertation Improvement Grant 0303768. Paleocological Modeling and the Evolution of Early Eocene Primates in the Bighorn Basin, WY. (Amount awarded: \$8,400).

Research Grant Applications

- Foreman B, Clyde W, Snell K, Chew AE and Secord R. 2018. *NSF/SGP*: Collaborative Research: Scaling and Thresholds in the Thermal, Hydrologic, Geomorphic, and Biotic Responses to Paleogene Hyperthermals.
- Secord R, Chew AE, Chester S and C Gilbert. 2018. *NSF/SGP*: Collaborative Research: Paleoenvironmental and paleoecological responses to climate change in the Early Eocene Climatic Optimum.
- Secord R, Gunnell G, and S Chester. 2016. *NSF/SGP*: Collaborative Research: Paleoenvironmental and paleoecological responses to climate change in the Early Eocene Climatic Optimum. (Participated as consultant, amount requested: \$31,614).
- Clyde WC, Fricke H, Snell K, Foreman B, Snell K, Burger B, and R Secord. 2016. *NSF/EAR*: Collaborative Research: The effects of the ETM2 and H2 hyperthermals on continental Earth systems. (Participated as collaborator, total amount requested: \$1,036,145).
- Chew AE, KD Rose and BH Passey. 2014. *NSF/SGP*: Collaborative Research: Testing Biotic Response to Climate Change in Deep Time Using Mammals and Isotopic Records from the Early Eocene Willwood Formation, Bighorn Basin, Wyoming. (Amount requested: \$150,000).
- Chew AE, KD Rose and BH Passey. 2013. *NSF/SGP*: Collaborative Research: Testing Biotic Response to Climate Change in Deep Time Using Mammals and Isotopic Records from the Early Eocene Willwood Formation, Bighorn Basin, Wyoming. (Amount requested: \$150,000).
- Ethell D, B Azevedo and K Irizarry. 2013. *NIH/NIA*: Abeta-specific CD4+ T cells Indicate Prodromal Alzheimer's Disease Pathology. (Participated as collaborator, total amount requested: \$7,300,000).
- Rose KD, BH Passey and AE Chew. 2012. *NSF/SGP*: Collaborative Research: Testing Biotic Response to Climate Change in Deep Time Using Mammals and Isotopic Records from the Early Eocene Willwood Formation, Bighorn Basin, Wyoming. (Amount requested: \$94,000).
- Rose KD, BH Passey and AE Chew. 2011. *NSF/SGP*: Collaborative Research: Testing Biotic Response to Climatic/Environmental Change Using Fossil Mammals and Isotopic Records from the Early Eocene Willwood Fm, Bighorn Basin, Wyoming. (Amount requested: \$103,000).
- Currano E, Stucky R and I Miller. 2010. *NSF/SGP*: Collaborative Research: Terrestrial

Ecosystem Response to Warming through the Early Eocene Climatic Optimum in the Wind River Basin, Wyoming. (Participated as consultant, total amount requested: \$400,000).
Stucky R and I Miller. 2009. *NSF/SGP: Collaborative Research: Terrestrial Ecosystem Evolution During the Early Eocene Climatic Optimum in the Wind River Basin, Wyoming.* (Participated as consultant, total amount requested: \$400,000).

Field Work

Director	2017-present	Central Bighorn Basin, WY, paleontological expeditions
Co-director	2007-2016	(with KD Rose)
Member	1995-2005	USGS/Johns Hopkins and Johns Hopkins paleontological expeditions to the Bighorn Basin, WY (director: KD Rose)
Member	2006-2008	Denver Museum of Nature and Science Wind River and Bridger Basin, WY, paleontological expeditions (director: R Stucky)
Member	2001	Duke/Johns Hopkins University Costa Rican expeditions (study <i>Alouatta palliata</i>) (directors: K Glander and M Teaford)

Professional Presentations

- Widlansky SJ, Secord R, Chew AE, Snell KE and WC Clyde. 2020. A new record of the ETM2 and H2 hyperthermals from the Fifteenmile Creek Area (Bighorn Basin, Wyoming): Implications for the terrestrial preservation of hyperthermals and their biotic response. *American Geophysical Union Virtual Annual Meeting.*
- Nagendran L, Rose KD, Chew AE, Bown TM and M Silcox. 2018. Unusual vertebrate assemblage from the McNeil Quarry of the Bighorn Basin, Wyoming (Willwood Formation, early Eocene, Wasatchian NALMA). *Journal of Vertebrate Paleontology 78th Annual Meeting Program and Abstracts.*
- Widlansky S, Secord R, Clyde W, and AE Chew AE. 2018. Carbon isotope stratigraphy and mammal turnover through post-PETM hyperthermals in the Fifteenmile Creek area (Bighorn Basin, Wyoming). *Journal of Vertebrate Paleontology 78th Annual Meeting Program and Abstracts.*
- Larson EB, Chew AE, Nichols KA and TM Bown. 2018. Unusual abundance occurrences of *Hyopsodus* (Condylarthra), *Hyracotherium* (Perissodactyla), and other mammals in fossil localities of the Willwood Formation, Bighorn Basin, Wyoming. *Journal of Vertebrate Paleontology 78th Annual Meeting Program and Abstracts.*
- Bown TM, Chew AE, Nichols KA, Rose KD, Rodwell BW and LN Weaver. 2016. Paleogene sedimentary tectonics of the Greybull/Basin area, northwest Wyoming: Little Dry Creek parafold & Gould Butte/Three Sisters block. *Geological Society of America Annual Meeting Abstracts with Programs: 48(7): 347-24.*
- Chew AE. 2015. Mammal body size change in the zone of the early Eocene hyperthermals ETM2 and H2. *Geological Society of America Annual Meeting Abstracts with Programs: 47(7): 247-6.*
- Chew AE. 2015. **FEATURED ABSTRACT:** Different mechanisms of body size change during the hyperthermals of the early Eocene. *Journal of Vertebrate Paleontology 75th Annual Meeting Program and Abstracts.*
<http://vertpaleo.org/The-Society/SVP---Paleo-News/Society-News-and-Events/Press-Release--Mammal-body-size-responds-to-climat.aspx>
- Silcox MT, Rose KD, and Chew A. 2015. Microsopids from the Early Eocene of the Southern Bighorn Basin, Wyoming: evolutionary insights from the largest stratigraphically controlled sample of stem primates. *American Association of Physical Anthropology 84th Annual Meeting Program with Abstracts: 289.*

- Silcox MT, Rose KD and AE Chew. 2014. Early Eocene microsyopine microsyopids (Mammalia, Primates) from the southern Bighorn Basin, Wyoming: evidence for cladogenetic speciation and evolutionary response to climate change. *Journal of Vertebrate Paleontology 74th Annual Meeting Program and Abstracts*: 230.
- Rankin BD, JW Fox, CR Barrón-Ortiz, AE Chew, PA Holroyd, Ja Ludtke, X Yang and JM Theodor. 2014. Using the extended price equation to analyze species selection in mammalian body size evolution across the Paleocene/Eocene Thermal Maximum. *Geological Society of America Annual Meeting Abstracts with Programs*: 46(6): 74.
- Chew AE. 2014. Faunas in flux during the successive hyperthermals of the early Eocene. *Geological Society of America Annual Meeting Abstracts with Programs*: 46(6): 75.
- Chew AE. 2014. Mammal faunal response to the ETM2 and H2 hyperthermals. *Climatic and Biotic Events of the Paleogene*.
- Chew AE. 2013. Mammalian Faunal Response to the ETM2 and H2 Hyperthermal Events in the Central Part of the Bighorn Basin, WY. *Journal of Vertebrate Paleontology 73rd Annual Meeting Program and Abstracts*: 105.
- Chew AE. 2013. Measuring Fossil Diversity and its Relationship to Climate Change in Deep Time: a Case Study from the Early Eocene. *Society for Integrative and Comparative Biology Annual Meeting Abstracts*: P3.104.
- Chew AE and KB Oheim. 2011. Spatially Constrained Rarefaction and Geographic Information Systems: Mitigating the Effects of the Species-Area Relationship in Diversity Analyses. *Journal of Vertebrate Paleontology 71st Annual Meeting Program and Abstracts*: 87-88A. (Symposium: Vertebrate Diversity Patterns and Sampling Bias).
- Kraft RA, NE Levin, BH Passey, KD Rose, and AE Chew. 2011. Early Eocene Paleoenvironments in Wyoming Based on Stable Isotope Ecology of Fossil Mammals. *Geological Society of America Abstracts with Programs*, 43(5): 164.
- Chew AE. 2010. Approaching True Diversity in Fossil Communities Using a Combination of Rarefaction Methods and the PIE Evenness Index. *Journal of Vertebrate Paleontology 70th Annual Meeting Program and Abstracts*: 71A. (Symposium: Advances in Paleoecology: Geochemistry, Microwear, and Beyond).
- Stucky RK, AE Chew and M Hailu. 2009. Alpha Species Diversity in Early-Middle Eocene Mammalian Communities (Wa5-Br2) of the Bighorn, Bridger and Wind River Basins, Wyoming: High Species Diversity Correlates with Global Warming during the Early Eocene Climatic Optimum. *Journal of Vertebrate Paleontology 29(Suppl. to No. 3)*: 187A.
- Chew AE. 2009. Early Eocene Mammal Faunal Response to Temperature Change in the Bighorn Basin. *Climatic and Biotic events of the Paleogene International Conference Programme and Abstracts*: 98.
- Chew AE. 2008. Changes in Body Size and Trophic Structure across the Wasatchian (early Eocene) Mammal Fauna of the Willwood Formation, Central Bighorn Basin, Wyoming. *California Paleontology Conference: PaleoBios 28(Suppl. to No. 1)*: 3A.
- Chew AE and KB Oheim. 2007. Teasing Apart the Effects of Taphonomic and Sampling Bias on Species Diversity Estimates Using GIS. *Journal of Vertebrate Paleontology 27(Suppl. to No. 3)*: 58A.
- Chew AE. 2006. Species Interactions and Habitat Preferences in the Early Eocene Mammal Fauna of the Central Bighorn Basin, WY. *Journal of Vertebrate Paleontology 26(Suppl. to No. 3)*: 49-50A. (Alfred Sherwood Romer Prize Session).
- Chew AE. 2006. Evidence of Pulsed Turnover and Variability Selection in an Early Eocene Mammal Fauna from the Central Bighorn Basin, WY. *Society for the Study of Evolution Annual Meetings*, Stony Brook, NY.

- Clyde WC, Snell KE, Koch PL, Bowen GJ, Chew AE and SL Wing. 2006. Is ELMO in the Bighorn Basin? *Climate and Biota of the Early Paleogene International Conference Volume of Abstracts*: 26.
- Chew AE. 2005. Mammalian Faunal Turnover in the Early Eocene of the Central Bighorn Basin, Wyoming. *Journal of Vertebrate Paleontology* 25(Suppl. to No. 3): 44A.
- Chew AE. 2003. Early Eocene Perissodactyls from the Central Bighorn Basin, Wyoming. *Journal of Vertebrate Paleontology* 23(Suppl. to No. 3): 40A.
- Chew AE. 2002. The Performance of Four Indices of Congruence between Stratigraphy and Cladistic Topology. *Journal of Vertebrate Paleontology* 22(Suppl. to No. 3): 43A.
- Chew AE. 2001. Preliminary Biostratigraphic Analysis of the Central and Southern Bighorn Basin, Wyoming. *Climate and Biota of the Early Paleogene International Conference*.
- Gagnon M and AE Chew. 1998. Bovids as Paleoecological Indicators. Determining Diet and Habitat Preferences in Extant Species. *Journal of Vertebrate Paleontology* 18(Suppl. to No. 3): 44A.
- Gagnon M and AE Chew. 1996. Computer-Based Image Analysis as a Tool in Bovid Ecomorphology. *American Journal of Physical Anthropology*. Suppl. 22: 108.
- Gagnon M and AE Chew. 1995. Computer Image Analysis of Bovid Ecomorphology using CD-ROM Technology. *Journal of Vertebrate Paleontology* 15(Suppl. to No. 3): 30A.

Professional Affiliations

Society of Vertebrate Paleontology
 The Paleontological Society
 Society for the Study of Evolution
 Society of Integrative and Comparative Biology, Division of Evolutionary Ecology

Awards

Featured Abstract, Annual Meeting of SVP	2015
Phi Beta Kappa	2005
Johns Hopkins University Graduate Student Fellowship	1999-2004
Matheson Scholarship (University of Michigan)	1999
Ontario Graduate Scholarship	1997
Ontario Scholar	1986-1991

ACADEMIC SERVICE

Brown University Committees

Department of Ecology, Evolution and Organismal Biology's Diversity and Inclusion Action Plan Committee Chair, 2022-present.

Alpert Medical School Curriculum Committee, 2021-present.

Alpert Medical School Curriculum Subcommittee on Years 1 and 2, 2021-present.

Gateways Program Operations Committee, 2017-present.

Gateways Program Academic Standing Committee, 2017-present.

Gateways Program Admissions Committee, 2017-present.

Academic Advisement

Masters thesis committee for Colter Johnson at University of Nebraska at Lincoln, 2022-2023

PhD dissertation committee for Sarah Widlansky at University of New Hampshire, 2020-2022

Brown undergraduate honors senior thesis, Juan Marcos Rodriguez, 2019-2020

College of Osteopathic Medicine

COMP Admissions, 2007-present – interviewer (7-9 sessions per cycle).

COMP Admissions Committee, 2007-2014.

COMP Admissions Committee Secretary, 2011-2012.

COMP Student Advisement – OMS classes 2011-2018.

Western University of Health Science

MSMS Student Advisement, 2015.

MSMS Student Research Supervision, 2014.

MSMS program Curriculum Committee, 2010-2011, 2014-present.

MSMS program Admissions Committee, 2014-present.

MSMS program admissions, 2010-present – interviewer.

Linkage program admissions, 2012-present – interviewer.

Interprofessional Education, 2009-present – facilitator.

Pumerantz Library paleontology exhibit, 2012-2013 – contributed text, materials and an evening presentation for the public.

Alzheimer's study, 2012 – collected and photographed brain specimens and skulls (director: D Ethell, Graduate College of Biomedical Sciences).

Western University Research Days, 2007-2011 – contributed four poster presentations.

PROFESSIONAL SERVICE

Central Bighorn Basin fossil database, 2005-present – created, maintain and provide requested data from the only digital database (>40,000 fossil specimen records, mainly uncatalogued) of the 1980-present central Bighorn Basin paleontological expeditions.

Central Bighorn Basin geospatial and metadata, 2008-present – regularly provide requested data to researchers.

Society of Vertebrate Paleontology Annual Meeting, 2007 – Technical Session X moderator.

Bighorn Basin Coring Project, 2007 – international planning conference (Powell, WY) contributor.

Manuscript Review

Science

Palaeontologica Electronica

Evolutionary Anthropology

Journal of Paleontology

Palaios

Canadian Journal of Earth Sciences

*Contributions from the Museum of
Paleontology, The University of Michigan*

Acta Zoologica Sinica

Journal of Vertebrate Paleontology

Proceedings of the Royal Society B

Journal of Human Evolution

Naturwissenschaften

PLOS One

PeerJ

*Annals of the Denver Museum of Nature and
Science*

Grant Proposal Review

National Science Foundation, Sedimentary Geology and Paleobiology Program and Earth
Sciences Postdoctoral Fellowships

Fund for Scientific Research, Brussels, Belgium

COMMUNITY SERVICE

- Pomona Health Careers Ladder, 2012 – contributed a recorded online module: How did Climate Change Affect Mammal Communities in Deep Time?
- John D. Cooper Archaeology and Paleontology Curation Center (Cal State Fullerton), 2011-2012 – volunteer curator of fossils from the Eocene Santiago Formation, San Clemente, CA. Currently awaiting the opening of further jackets.
- City of Pomona Public Works Department, 2011-2012 – local promotor and consultant for the Pomona Bicycle Master Plan and Active Transportation Plan.
- Worland, WY, Bureau of Land Management, 2008, 2012 – gave two educational talks for the general public as part of the Bighorn Basin Paleontology Symposia: Approaching True Diversity in Fossil Communities (2012); Paleoecology of the Willwood Mammals: How did they Respond to Climate Change? (2008).
- Denver Museum of Nature and Science Community Outreach, 2006-2008 – contributed to the Volunteer Paleontology Study Group, participated in the Students in Action student-scientist interactive video broadcasts, and mentored highschool students under-represented in the sciences through the Student Scholar Program.
- Smithsonian National Museum of Natural History, 2002-2004 – voluntarily curated, sorted, and arranged the central Bighorn Basin fossil collection (~35,000 specimens in boxes following 1996 transfer from the Denver USGS office).

OTHER

Invited Talks

- Brown Earth, Environmental, and Planetary Sciences Climate and Environment Seminar Series, 2019 - Mammal Faunal Response to Climate Change in Deep Time.
- Geological Society of America, 2014 – Faunas in flux during the successive hyperthermals of the early Eocene.
- Claremont Regional Association of Paleontology, 2013 – Faunal Response to Late Early Eocene Hyperthermals (ETM2 and H2) in the Central Bighorn Basin.
- Pumerantz Library Speaker Series, 2013 – Mammal Paleontology in Wyoming's Bighorn Basin.
- Western University of Health Sciences, 2007 – Evolution of an Early Eocene Mammal Fauna from the Bighorn Basin, Wyoming.
- Marshall University, 2007 – Paleoecology and Faunal Evolution in an Early Eocene Mammal Community from the Bighorn Basin, Wyoming.
- Bates College, 2007 – Paleoecological Analysis of a Fossil Mammal Fauna from the Early Eocene of Western North America.
- Royal Tyrrell Museum (Alberta, Canada), 2006 – Evolution of an Early Eocene Mammal Fauna from the Bighorn Basin, Wyoming.
- State University of New York at Stony Brook Paleobiology Seminar Series, 2006 – Faunal Evolution and Climate Change during the Early Eocene in the Bighorn Basin, Wyoming.

Language Proficiency

Intermediate French.