

## Curriculum Vitae – David W. Krause

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### Appointments:

Lecturer, Department of Geological Sciences, The University of Michigan, 1981.  
Assistant Professor, Department of Anatomical Sciences and Doctoral Program in Anthropological Sciences, Stony Brook University, 1982–1988.  
Research Associate in Paleontology, Museum of the Rockies, Montana State University, 1985–present.  
Associate Professor, Department of Anatomical Sciences, Department of Geosciences, and Doctoral Program in Anthropological Sciences, Stony Brook University, 1988–1993.  
Professor, Department of Anatomical Sciences, Department of Geosciences, and Interdepartmental Doctoral Program in Anthropological Sciences, Stony Brook University, 1993–2003.  
Research Associate in Geology, The Field Museum, Chicago, 1994–present.  
Research Associate, Division of Paleontology, American Museum of Natural History, New York, 2009–present.  
Distinguished Service Professor, Department of Anatomical Sciences, Department of Geosciences, and Interdepartmental Doctoral Program in Anthropological Sciences (2003–2016); Program in Public Health (2009–2016); Department of Oral Biology and Pathology (2012–2016), Stony Brook University.  
Emeritus Distinguished Service Professor, Department of Anatomical Sciences, Stony Brook University (2016–present)  
Senior Curator of Vertebrate Paleontology, Department of Earth Sciences, Denver Museum of Nature & Science (2016–present).

### Education and Degrees:

B.Sc.	The University of Alberta (Edmonton)	Zoology	1971
M.Sc.	The University of Alberta (Edmonton)	Zoology	1976
Ph.D.	The University of Michigan (Ann Arbor)	Geology	1982
Docteur Honoris Causa	L'Université d'Antananarivo (Madagascar)		2012

### Scholarships, Fellowships, Honors, and Awards:

National Research Council of Canada, Postgraduate Scholarship, 1977–1978.  
Shell Oil Fellowship, 1977–1978.  
Rackham Predoctoral Fellowship, University of Michigan, 1979–1980.

Ermine Cowles Case Award, Sigma Xi (University of Michigan chapter), for best paper in paleontology published by a student, 1978, 1979, 1981.

Anna M. Jackson Award, American Society of Mammalogists, 1981.

University Research Fellowship, Natural Sciences and Engineering Research Council of Canada, 1982–1985 (Declined, to accept tenure-track position at SUNY - Stony Brook).

University Award, SUNY Research Foundation, 1982–1983 series.

Aesculapius Award for Excellence in Teaching, Stony Brook University School of Medicine, 1995–1996.

Chancellor's and President's Award for Excellence in Professional Service, State University of New York, 2002–2003.

Joseph T. Gregory Award, for "sustained, outstanding, and ongoing contributions" to the welfare of the Society of Vertebrate Paleontology, 2003.

Marshall, 44<sup>th</sup> University Commencement Ceremony, Stony Brook University, 2004.

"Man of the Year," Sweetbriar Nature Center, Smithtown, NY, 2004.

Paul Harris Fellow, The Rotary Foundation of Rotary International ("for tangible and significant assistance given for the furtherance of better understanding and friendly relations among peoples of the world"), 2004, 2011, 2014.

"Man of the Year in Education," The Village Times Herald magazine, 2004.

"Scientist of the Year," The Times of Smithtown, 2005.

Research & Scholarship Award, Research Foundation of the State University of New York ("the highest honor the Research Foundation can bestow . . . to SUNY faculty for their outstanding scholarly and research contributions"), 2005.

Ray of Light Award, Year of Community Giving, Stony Brook University, 2006.

Model Citizenship Award, National Honor Society, Smithtown High School West, 2007.

Humanitarian Award, School of Social Welfare, Stony Brook University, 2008.

Humanitarian Service Award, School of Dental Medicine, Stony Brook University, 2008.

Grand Marshall, School of Dental Medicine Commencement, Stony Brook University, 2009, 2016, 2019.

Honorary Member, Golden Key International Honour Society, 2009.

Marshall, 50<sup>th</sup> University Commencement Ceremony, Stony Brook University, 2010.

Honorary Member, Omicron Kappa Upsilon National Dental Honor Society, 2010.

Distinguished Alumni Award, University of Alberta ("the Alumni Association's most prestigious award"), 2010.

Honorary doctorate degree ("Docteur Honoris Causa"), l'Université d'Antananarivo, Madagascar, 2012.

Book Dedication to David W. Krause (pp. iii–ix) in *Cretaceous Period: Biotic Diversity and Biogeography* (A. Khosla and S. G. Lucas, eds.), New Mexico Museum of Natural History and Science Bulletin 71, 2016.

Best Paper of the Year, Colorado Scientific Society, 2018

### Patronyms:

*Necturus krausei* Naylor 1978 (Urodela, Proteidae)

*Mimetodon krausei* Sloan 1981 (Mammalia, Multituberculata)

*Krauseia* Vianey-Liaud 1986 (Mammalia, Multituberculata)

*Cernaysia davidi* Vianey-Liaud 1986 (Mammalia, Multituberculata)

*Dipsalidictis krausei* Gunnell and Gingerich 1991 (Mammalia, Creodonta)

*Meketichoffatia krausei* Hahn, 1993 (Mammalia, Multituberculata)  
*Ravenictis krausei* Fox and Youzwysyn, 1994 (Mammalia, Carnivora)  
*Rapetosaurus krausei* Curry Rogers and Forster, 2001 (Dinosauria, Titanosauridae)  
*Presbyterium rhodorugatus* Scott, 2010 (Mammalia, Pantodonta)  
*Bessoecetor krausei* Rankin, 2014 (Mammalia, Pantolesta)

## Professional, Community, and International Service:

### Positions:

Co-editor (with K. D. Rose), *Journal of Vertebrate Paleontology* (1987–1990)  
 Vice-President, Society of Vertebrate Paleontology (1992–1994)  
 President, Society of Vertebrate Paleontology (1994–1996)  
 Assistant Coach, Smithtown Kickers travel soccer team, Smithtown, 1994–1999  
 Member, Advisory Board, The Dinosaur Society (1995–1999)  
 Past President, Society of Vertebrate Paleontology (1996–1998)  
 Founder and Executive Director, The Madagascar Ankizy Fund: For the Education and Health Care of Malagasy Children (1998–present)  
 Vice President, Board of Trustees, Aiza Biby Charitable Trust (1999–2003)  
 Head Coach, Smithtown Kickers travel soccer team, Smithtown, 2000–2005  
 Member, Advisory Board, Institute for the Conservation of Tropical Environments (2001–present)  
 Member, Rotary International (Smithtown Rotary Club), 2005–2009  
 Honorary Member, Rotary International (Smithtown Rotary Club), 2009–present  
 International Service Director, Smithtown Rotary Club, 2011–2012

### Manuscripts reviewed for:

*Acta Paleontologica Polonica*  
*Acta Zoologica Fennica*  
*Advances in Primatology*  
*Ameghiniana*  
*American Journal of Physical Anthropology*  
*American Journal of Science*  
*American Museum Novitates*  
*Annals of Carnegie Museum*  
*Cahiers de Paleontologie (CNRS)*  
*Canadian Journal of Earth Sciences*  
*Comptes Rendus Palevol*  
*Cretaceous Research*  
*Evolutionary Anthropology*  
 Festschrift volume honoring Ashok Sahni (edited by G. V. R. Prasad and R. Patnaik)  
*Geologica et Palaeontologica*  
*Geological Society of London*  
*Geology*  
*Geoscience Frontiers*  
*Great Basin Naturalist*  
 Indian Statistical Institute volume entitled "Evolution and Diversity of Late Palaeozoic and Mesozoic Terrestrial Vertebrates"

*Journal of African Earth Sciences*  
*Journal of Human Evolution*  
*Journal of Mammalian Evolution*  
*Journal of Paleontology*  
*Journal of the Geological Society*  
*Journal of Vertebrate Paleontology*  
*Lunar and Planetary Institute Publications*  
*Palaeogeography, Palaeoclimatology, Palaeoecology*  
*Palaeontology*  
*Palaeovertebrata*  
*Paleobiology*  
*Paleobios*  
*Paludicola*  
*Queensland Museum Memoirs*  
*National Geographic Research*  
*Nature*  
*Natural History*  
*Naturwissenschaften*  
*PLoS One*  
*Proceedings of Indian National Science Academy*  
*Revista del Museo Argentino de Ciencias Naturales*  
*Rocky Mountain Geology*  
*Scanning Electron Microscopy*  
*Scanning Microscopy*  
*Science*  
*United States Geological Survey Bulletin*  
*University of Michigan Papers on Paleontology*  
*University of Michigan Museum of Paleontology Contributions*  
*University of Wyoming Contributions to Geology*

### Grants reviewed for:

Agencia Nacional de Promoción Científica y Tecnológica (Argentina)  
 American Chemical Society (Petroleum Research Fund)  
 Austrian Science Fund  
 International Science Foundation (Long-Term Research Grants program)  
 Leakey Foundation  
 National Geographic Society  
 National Science Foundation – Anthropology program  
 National Science Foundation – Biological Research Collections program  
 National Science Foundation – Biotic Surveys and Inventory program  
 National Science Foundation – Earth Sciences program  
 National Science Foundation – Global Scientists & Engineers program  
 National Science Foundation – Office of Polar Programs – Antarctic Geology & Geophysics program  
 National Science Foundation – Systematic Biology program  
 Natural Sciences and Engineering Research Council of Canada  
 PSC-CUNY Research Award Program

The Royal Society International Joint Project Program

### Other Service:

Moderator of Technical Sessions, Annual Meetings of the Society of Vertebrate Paleontology (1981, 1986–1988)  
 Member, Romer Prize Selection Committee, Society of Vertebrate Paleontology (1984–1986)  
 Acting Program Chairman of 47<sup>th</sup> Annual Meeting, Society of Vertebrate Paleontology (1987)  
 Moderator of sessions at International Workshop on the *Evolutionary History of Robust Australopithecines*, Port Jefferson, New York (1987)  
 Member, Executive Committee, Society of Vertebrate Paleontology (1992–1998)  
 Chair, Nominating Committee, Society of Vertebrate Paleontology (1996–1998)  
 Member, Nominating Committee, Society of Vertebrate Paleontology (1998–2001)  
 Chair, Development Committee, Society of Vertebrate Paleontology (1998–2000)  
 Member, Development Committee, Society of Vertebrate Paleontology (2000–2004)  
 Founder, The Madagascar Ankizy Fund: For the Education and Health Care of Malagasy Children (1998)  
 Co-Chair, The Madagascar Ankizy Fund, 1999 Benefit Committee  
 Consulting Editor (with Matthew Carrano), *Odyssey* magazine, September 2000 issue – “*Dino Hunters*”  
 Member, Schuchert Award Committee, The Paleontological Society (2000–2003)  
 Chair, Nominating Committee, Society of Vertebrate Paleontology (2002–2005)  
 Member, Joseph T. Gregory Award Committee, Society of Vertebrate Paleontology (2007–2013)

### Professional Society Memberships (past and present):

American Association for the Advancement of Science  
 American Society of Mammalogists  
 Colorado Scientific Society  
 International Congress of Vertebrate Morphology  
 Society for Study of Mammalian Evolution  
 Society of Avian Paleontology and Evolution  
 Society of Sigma Xi  
 Society of Systematic Zoology  
 Society of Vertebrate Paleontology  
 The Dinosaur Society  
 The Paleontological Society

### Stony Brook University Administrative Service:

Senator, Faculty Senate, School of Medicine, 1982–1988, 1991–1994, 1999–present.  
 Member, Faculty of Interdepartmental Doctoral Program in Anthropological Sciences, 1982–present.  
 Senator, University Senate, 1983–1985.  
 Member, Student Affairs Committee, School of Medicine, 1983–1988.  
 Member, Research Committee, Doctoral Program in Anthropological Sciences, 1983–1987.  
 Associate Curator, University Museum of Anthropology, 1984–1987.

Director, Seminar Program, Department of Anatomical Sciences, 1986–1988.  
 Member, Admissions Committee, Doctoral Program in Anthropological Sciences, 1987–1992, 1993–1994.  
 Member, T.A. Committee, Doctoral Program in Anthropological Sciences, 1987–1994.  
 Co-Director, Doctoral Program in Anthropological Sciences, 1989.  
 Director, Graduate Program, Department of Anatomical Sciences, 1991–1993.  
 Member, School of Medicine Biomedical Research Support Committee, 1991–1994.  
 Acting Director, Doctoral Program in Anthropological Sciences, 1992.  
 Co-Director, Doctoral Program in Anthropological Sciences, 1992–1993.  
 Ex-Officio Member, Executive Committee, Doctoral Program in Anthropological Sciences, 1992–1994.  
 Director, Doctoral Program in Anthropological Sciences, 1993–1994.  
 Chair, Search Committee, Chief Morphologist, Department of Anatomical Sciences, 1993.  
 Chair, Norman Creel Prize Selection Committee, 1993–present.  
 Member, Aesculapius Award Committee for Excellence in Teaching, 1997–present.  
 Member, School of Dental Medicine Accreditation Self-Study Steering Committee, 1998–1999.  
 Member, Stony Brook University Five Year Plan Task Force on Research, Scholarship, and Creative Activity, 1999–2000.  
 Member, Liaison Committee on Medical Education task force, School of Medicine, 2002.  
 Chair, Postdoctoral Associate Search Committee, Department of Anatomical Sciences, 2002.  
 Member, Distinguished Service Professorship Committee, 2003–2007.  
 Faculty Advisor, Stony Brook University Rotaract Club, 2005–2007.  
 Chair, Distinguished Service Professorship Committee, 2005.  
 Member, Distinguished Alumni Nominating Committee, 2007–2009.  
 Member, Honorary Degree Committee, 2008–2010.  
 SUNY Strategic Planning Steering Committee, School of Medicine, 2010–2011.  
 Presidential Haiti Task Force, 2010.  
 Chair, Ad Hoc Subcommittee on Biomedical Sciences, School of Dental Medicine, 2011–2013.  
 Member, Dean of School of Dental Medicine Search Committee, 2014.  
 Member, Director of the Global Health Institute Search Committee, 2014.  
 Member, Centre ValBio Administrative Coordinator Search Committee, 2015.

## Teaching Experience:

### Stony Brook University

BIO/HBA 349 – Biodiversity and Evolution in the Fossil Record (guest lecturer)  
 HBA 398 and HBA 399 – Research Projects in Anatomy  
 HBA 521 – Gross Anatomy of the Head, Neck, and Trunk (course director)  
 HBA 531 – Gross Anatomy of the Human Body (medical students)  
 HBA 541 – Gross Anatomy of the Human Body (graduate students)  
 HBA 550 – Vertebrate Paleontology (guest lecturer)  
 HBA 590 – Projects in Anatomical Sciences  
 DPA 530 – Physical Anthropology (guest lecturer)  
 DPA 564 – Primate Evolution (guest lecturer)  
 DPA 580 – Comparative Anatomy and Evolution of Mammals  
 DPA 581 – Evolution of Mammals  
 DPA 630 – Special and Comparative Dental Anatomy in Relation to Primate Evolution (guest lecturer)

GEO 109 – Life through Time (guest lecturer)  
 ANT 220 – Introduction to Paleoanthropology (guest lecturer)  
 ANT 321 – Primate Evolution (guest lecturer)  
 ANT 421 – Field Methods in Physical Anthropology  
 ANT 610 – Individual Research in Anthropology  
 ANT 699 – Research Seminar in Anthropological Fieldwork  
 BEE(ANT) 690 – Current Problems in Paleobiology (team-taught seminar)  
 HD 903 – Regional Anatomy, Orofacial Neurosciences and Pain Conditions

## The University of Michigan

Geology 106 – Fossils, Primates, and Human Evolution (course director)  
 Geology 439 – The Fossil Record and the Evolution of Mammals (guest lecturer)

## Graduate Student Committees:

**Robert Asher**, Doctoral Program in Anthropological Sciences, SUNY- Stony Brook.  
 "The Phylogeny and Biogeography of 'Tenrecoïd' Insectivorans."  
 Member of Ph.D. committee – 2000.  
 Currently University Lecturer and Curator, University Museum of Zoology, Cambridge University.

**Audrone R. Biknevičius**, Department of Anthropology, Stony Brook University.  
 "Dental Function and Diet in the Carpolestidae (Primates: Plesiadapiformes)."  
 Major advisor of M.A. committee – 1984. (Obtained Ph.D., Johns Hopkins University, 1990).  
 Currently Associate Professor and Chair, Department of Biomedical Sciences, Ohio University.

**Matthew Borths**, Department of Anatomical Sciences, Stony Brook University  
 "Systematics and Biogeography of Afro-Arabian Hyaenodontida (Placentalia, Mammalia)."  
 Member of Ph.D. committee – 2015  
 Currently Postdoctoral Scholar, Ohio University

**Douglas M. Boyer**, Department of Anatomical Sciences, Stony Brook University.  
 "New cranial and postcranial remains of late Paleocene Plesiadapidae ("Plesiadapiformes,"  
 Mammalia) from North America and Europe: descriptions and evolutionary implications"  
 Major advisor of Ph.D. committee – 2009  
 Currently Assistant Professor, Duke University.

**Gregory A. Buckley**, Department of Geology, Rutgers University.  
 "Paleontology, Geology and Chronostratigraphy of Simpson Quarry (Early Paleocene), Bear  
 Formation, Crazy Mountains Basin, south-central Montana."  
 Member of Ph.D. committee – 1994.  
 Currently Associate Dean of Graduate Studies and Continuing Education at Lebanon Valley  
 College, Pennsylvania.

**Sara H. Burch**, Department of Anatomical Sciences, Stony Brook University  
 "The Evolution and Function of Reduced Forelimbs in Theropod Dinosaurs"  
 Major advisor of Ph.D. committee – 2013.

Currently Assistant Professor, Department of Biology, SUNY Geneseo.

**Benjamin Burger**, Department of Anatomical Sciences, Stony Brook University  
 "The Evolutionary History of the Hyopsodontidae ("Condylarthra")."  
 Co-advisor of Master's degree committee – 1999.  
 Currently Currently Assistant Professor, Utah State University, Vernal.

**Maria Cole**, Department of Anatomical Sciences, Stony Brook University.  
 "Limb Proportions and Allometry in Large-Bodied Vertebrates."  
 Member of Ph.D. committee – 1997.  
 Currently Associate Professor, Kansas City University of Medicine and Biosciences.

**Kristini A. Curry Rogers**, Department of Anatomical Sciences, Stony Brook University.  
 "The Evolutionary History of the Titanosauria."  
 Member of Ph.D. committee – 2001.  
 Currently Associate Professor, Biology Department, Macalester College, St. Paul.

**Elizabeth R. Dumont**, Doctoral Program in Anthropological Sciences, Stony Brook University.  
 "Functional and Phyletic Features of Mammalian Dental Enamel: A Key to Primate Higher-Level Relationships."  
 Major advisor of Ph.D. committee – 1993.  
 Currently Vice Provost for Academic Affairs and Professor, Department of Biology, University of Massachusetts; Director, Massachusetts Museum of Natural History; Associate Director, Graduate Program in Organismic and Evolutionary Biology.

**Sireen El Zaatari**, Department of Anthropology, Stony Brook University.  
 "Molar microwear and diet of the Plio-Pleistocene Cercopithecoidea from South Africa"  
 Member of M.A. committee – 2002.  
 Currently Postdoctoral Fellow, Max Planck Institute, Leipzig, Germany.

**Robert V. Hill**, Department of Anatomical Sciences, Stony Brook University  
 "Origin and evolution of the amniote integument."  
 Member of Ph.D. committee – 2004.  
 Currently Associate Professor, Department of Science Education, Hofstra Northwell School of Medicine at Hofstra University.

**Simone Hoffmann**, Department of Anatomical Sciences, Stony Brook University  
 "Late Cretaceous Gondwanatheria (Mammalia) from Madagascar and their implications for mammalian phylogeny"  
 Major Advisor of Ph.D. committee – 2016  
 Currently Assistant Professor, New York College of Osteopathic Medicine, New York Institute of Technology.

**John Hunter**, Department of Anatomical Sciences, Stony Brook University.  
 "Adaptive Radiation of Early Paleocene Ungulates."  
 Major Advisor of Ph.D. committee – 1997.  
 Currently Associate Professor, Department of Evolution, Ecology, and Organismal Biology, Ohio State University, Newark.



**Margaret Lewis**, Doctoral Program in Anthropological Sciences, Stony Brook University.  
 "Plio-Pleistocene Carnivoran Guilds: Implications for Hominid Paleoecology."  
 Member of Ph.D. committee – 1995.  
 Currently Professor, Biology Program, The Richard Stockton College of New Jersey.

**Mary C. Maas**, Doctoral Program in Anthropological Sciences, Stony Brook University.  
 "The Relationship of Enamel Microstructure and Microwear: An Experimental Study of Cause and Effect."  
 Major advisor of Ph.D. committee – 1988.  
 Currently retired.

**Jacob McCartney**, Department of Anatomical Sciences, Stony Brook University  
 "Functional Attributes of Snake Vertebrae: Utility in Ecomorphological Analysis of Fossil Assemblages"  
 Member of Ph.D. committee – 2013.  
 Currently Visiting Assistant Professor, Department of Biology, SUNY Geneseo.

**Elizabeth M. McGee-Bergerol**, Doctoral Program in Anthropological Sciences, Stony Brook University.  
 "Pattern and Process in North American Plesiadapiform and Early Euprimate Diversity."  
 Major Advisor of Ph.D. committee – 1997.  
 Currently Professor, Department of Biological Sciences, San Jose State University.

**Patrick M. O'Connor**, Department of Anatomical Sciences, Stony Brook University.  
 "Pulmonary pneumaticity in extant birds and extinct archosaurs."  
 Member of Ph.D. committee – 2003.  
 Currently Professor, Department of Biomedical Sciences, Ohio University.

**Samia Omar**, Graduate Program in Public Health, Stony Brook University.  
 "Oral health education in rural Madagascar."  
 Preceptor of MPH committee – 2008.  
 Program Coordinator, Turkana Basin Institute, Kenya.

**Supriya Parikh**, Graduate Program in Public Health, Stony Brook University.  
 Preceptor of MPH committee – 2009.  
 Current position unknown.

**Joseph Augustin Rabarison**, Department of Paleontology and Biological Anthropology, University of Antananarivo.  
 "Contribution a l'étude de dents isolées des requins du Crétacé supérieur de la region de Berivotra (Bassin de Majunga, nord-ouest de Madagascar)."  
 Member of Master's degree committee – 1996.

**Todd C. Rae**, Doctoral Program in Anthropological Sciences, Stony Brook University.  
 "The Phylogenetic Relationships of Miocene Hominoidea."  
 Member of Ph.D. committee – 1993.  
 Currently Lecturer, University of Durham.

**Lydia Jeanne Rahantarisoa**, Department of Paleontology and Biological Anthropology, University of Antananarivo.

"Biostratigraphie et paleoecologie du Maastrichtien de Berivotra (Mahajanga)"

Member of Ph.D. committee – 2007

Currently Assistant Professor, Département de Sciences de la Terre et de l'Environnement, Université d'Antananarivo.

**Louis Laurent Randriamiarimanana**, Department of Paleontology and Biological Anthropology, University of Antananarivo.

"Contribution a l'étude des raies du Crétacé supérieur du Bassin de Mahajanga, site de Berivotra (nord-ouest de Madagascar)."

Member of Master's degree committee – 1996.

**Nirina Olivier Ratsimbaholison**, Department of Paleontology, University of Antananarivo.

"Anatomie craniofacial juvenile de *Majungasaurus crenatissimus* (Theropode: Abelisauridae) du Crétacé supérieur de Madagascar."

Member of Master's degree committee – 2008.

**Miky Lova Tantely Raveloson**, Department of Paleontology, University of Antananarivo.

"Les plaques dermiques des crocodiliformes du Maastrichtien de Berivotra (Bassin de Majunga): descriptions et systématiques."

Member of Master's degree committee – 2007.

**Karen E. Samonds**, Department of Anatomical Sciences, Stony Brook University

"The biogeographic origins of the Malagasy vertebrate fauna"

Co-Major Advisor of Ph.D. committee – 2006.

Currently Assistant Professor, Northern Illinois University.

**Eileen Schneider**, Dept. of Ecology & Evolution, Stony Brook University.

"Comparative and Functional Morphology of the Appendicular Skeleton in Oligocene Fayum Rodentia."

Member of M.A. committee – 1984.

Currently practicing M.D., Centers for Disease Control and Prevention, Division of Tuberculosis Elimination, Atlanta, GA

**Joseph J. G. Sertich**, Department of Anatomical Sciences, Stony Brook University

"Late Cretaceous crocodyliforms and Gondwanan biogeography"

Major Advisor of Ph.D. committee – 2011.

Currently Curator of Vertebrate Paleontology, Division of Earth Sciences, Denver Museum of Nature & Science.

**Lillian Orloff Spencer**, Doctoral Program in Anthropological Sciences, SUNY– Stony Brook.

"Antelopes and Grasslands: Reconstructing African Hominid Environments."

Member of Ph.D. committee – 1995.

Currently Research Scholar, Department of Biological Anthropology and Anatomy, Duke University.

**Elizabeth M. St. Clair**, Interdepartmental Doctoral Program in Anthropological Sciences, Stony Brook University

"Ecomorphological diversification of euprimates in the Eocene of North America and Europe"

Member of Ph.D. committee – 2012

Currently Postdoctoral Associate, Duke University.

**Suzanne G. Strait**, Doctoral Program in Anthropological Sciences, SUNY- Stony Brook.

"Dietary Reconstruction in Small-Bodied Fossil Primates."

Major advisor of Ph.D. committee – 1991.

Currently Professor, Department of Biological Sciences, Marshall University.

**Tara Templeman**, Museum & Field Studies Program, University of Colorado – Boulder

"New earliest Paleocene (Puercan) multituberculates from the China Butte Member of the Fort Union Formation, Great Divide Basin, WY

Member of M.S. committee – 2017 (expected)

**Christine Wall**, Doctoral Program in Anthropological Sciences, Stony Brook University.

"Mandibular Function in Fossil Primates."

Member of Ph.D. committee – 1995.

Currently Associate Research Professor, Department of Evolutionary Anthropology, Duke University.

**Jennifer L. White**, Department of Ecology & Evolution, Stony Brook University.

Member of Ph.D. committee – 1993.

"Functional and Phylogenetic Implications of the Postcranial Skeleton of Fossil Sloths for the Evolution of Arboreality in Tree Sloths."

Member of Ph.D. committee – 1992.

Currently Assistant Professor, Biological Sciences, East Stroudsburg University.

## High School Research Supervision:

**Alexander J. Fumelli**, Smithtown High School West.

National Semifinalist, Intel Science Talent Search project: "Inferring the Diet of a Bizarre Fossil Crocodyliform: Was *Simosuchus clarki* herbivorous?"

Mentor – 2003.

**Jessica DeLalio**, Shoreham-Wading River High School

Mentor – 2005–2007.

**Jessica Noviello**, Smithtown High School West.

Simons Fellows Program: "Discerning Diet from Dental Morphology in the Alligatorid Genus *Paleosuchus*"

Mentor – 2007–2010.

**Aaron Rosenthal**, Smithtown High School West.

Mentor – 2009–2011.

### Field Experience:

- Member, University of Alberta expedition to Red Deer River, Alberta to collect Late Cretaceous mammals and reptiles (1969, 1970).
- Member, University of Alberta expedition to Kansas to collect Late Cretaceous marine reptiles and fishes (1970).
- Member, University of Alberta expedition to Peace River district, Alberta to collect Late Cretaceous mammals (1971).
- Director, Manitoba Museum of Man and Nature expeditions to Saskatchewan and south and central Manitoba to collect Paleocene and Pleistocene mammals (1972).
- Director, University of Alberta expedition to Saskatchewan to collect Paleocene mammals (1973, 1974).
- Director, University of Alberta expeditions to Saskatchewan, Alberta, Montana, and Wyoming to collect Late Cretaceous and Paleocene mammals (1975).
- Director, University of Alberta expedition to south and central Alberta to collect Paleocene mammals (1976).
- Member, University of Michigan expedition to Wyoming to collect Paleocene and Eocene mammals (1977, 1978).
- Member, University of Michigan – Museum National d'Histoire Naturelle (Paris) expedition to Pakistan to collect Eocene mammals (1979).
- Acting Director, University of Michigan expedition to Wyoming to collect Paleocene and Eocene mammals (1979, 1980, 1981).
- Director, Stony Brook University expeditions to Western Interior of North America to collect Late Mesozoic and Early Cenozoic mammals (1982–1992, 1994, 2002).
- Director, Stony Brook University expedition to collect Late Cretaceous vertebrates in Madagascar (1993, 1995, 1996, 1998, 1999, 2001, 2003a, 2003b, 2005, 2007, 2010, 2011, 2012).

### Museum Experience:

- Vertebrate Paleontology Preparator and Curatorial Assistant, Manitoba Museum of Man & Nature, Winnipeg, Manitoba, Canada (1971–1972). Also contributed substantially to design and display of Tertiary mammal exhibit.
- Graduate Student Research Assistant, Museum of Paleontology, The University of Michigan, Ann Arbor, Michigan (1979–1982). Duties involved collection and curation of Late Mesozoic and Early Cenozoic fossil vertebrates.
- Associate Curator, Museum of Anthropology, Stony Brook University, Stony Brook, New York (1984–1987).
- Curator, “The Dinosaurs of Treasure Island” exhibit, Museum of Long Island Natural Sciences, Stony Brook University, Stony Brook, New York (1999).
- Senior Curator of Vertebrate Paleontology, Department of Earth Sciences, Denver Museum of Nature & Science (2016–present).

### Current Research:

- Systematics, paleoecology, biogeography, and biostratigraphy of Late Mesozoic and Early Cenozoic mammals.
- Evolutionary and biogeographic history of the Gondwanan vertebrate fauna, with special emphasis on the Late Cretaceous of Madagascar.
- Biogeographic origins of the extant Malagasy vertebrate fauna.

## Grants:

Geological Society of America, 1978, \$700.

"Functional Anatomy and Evolution of Early Cenozoic Multituberculata (Mammalia), with emphasis on the Ptilodontidae"

Scott Turner Grant in Earth Sciences (The University of Michigan Department of Geological Sciences), 1979, \$700.

"Functional Anatomy and Evolution of Early Cenozoic Multituberculata (Mammalia), with emphasis on the Ptilodontidae"

Natural Sciences and Engineering Research Council of Canada, 1982, \$42,000 (Declined to accept position at Stony Brook University).

"Paleocene Mammalian Faunas from the Powder River Basin, Montana and Wyoming"

Biomedical Research Support Grant, National Institutes of Health, 1982–84, \$6,400.

"Phylogenetic Relationships of Mesozoic Mammals: Evidence from Tooth Enamel Ultrastructure"

National Geographic Society, 1983–84, \$12,320.

"Early Cenozoic Mammalian Faunas of the Crazy Mountain Basin, Montana"

Center for Field Research – EARTHWATCH, 1983–1986 (four separate applications), \$31,800

"Evolutionary History of Paleocene Mammals in Western North America"

National Science Foundation – Systematic Biology (DEB-8406707), 1984–86, \$87,609.

"Paleobiology and Evolutionary History of Middle – Late Paleocene Mammals in Western North America"

National Science Foundation – Anthropology, 1986–88, \$10,000.

Doctoral Dissertation Improvement Grant for Mary C. Maas: "The Relationship of Enamel Microstructure and Microwear and its Implications for Dietary Reconstruction of Fossil Hominoids"

National Science Foundation – Systematic Biology (DEB-8700094), 1987–89, \$63,852.

"Early Cretaceous Multituberculata (Mammalia) from North America and Asia"

Biomedical Research Support Grant, National Institutes of Health, 1987–88, \$5,556.

"Tandem-Scanning Reflected-Light Microscopy of Early Primate Enamel Ultrastructure: Phylogenetic Implications"

National Science Foundation – Systematic Biology (BSR-8722539), 1988–91, \$161,315.

"Composition and Diversity of Mammalian Faunas Across the Middle-Late Paleocene Boundary in Western North America" (including 1989, 1990, and 1991 Research Experiences for Undergraduates supplements of \$7,655, \$8,000, and \$10,000)

National Science Foundation – Anthropology, 1990–92, \$8,054

Doctoral Dissertation Improvement Grant for Elizabeth R. Dumont:

"Functional and Phyletic Features of Mammalian Dental Enamel: Evidence for Primate Higher-Level Relationships"

National Science Foundation – Anthropology, 1990–92, \$7,967.

Doctoral Dissertation Improvement Grant for Suzanne G. Strait: "Dietary Reconstruction in Small-Bodied Fossil Primates."

National Science Foundation – Systematic Biology (DEB-9211243), 1992–93, \$25,000.

"Composition and Diversity of Mammalian Faunas Across the Middle-Late Paleocene Boundary in Western North America" (including Research Experiences for Undergraduates supplement of \$5,000).

National Science Foundation – Biotic Surveys (DEB-9224396), 1993–94, \$41,533.

"Late Cretaceous Mammals from Madagascar" (Co-P.I.'s – N. A. Wells and J. H. Hartman)

National Geographic Society (5013-93), 1993–94, \$15,290.

"Late Cretaceous and Paleocene Mammals from Makoshika State Park and Vicinity, Montana" (Co P.I. – J. H. Hartman)

U.S. Department of Energy, 1993–94, \$33,980.

"Timing of the Deposition of Uppermost Cretaceous and Paleocene Coal-bearing Strata in the Greater Glendive Area, Montana and North Dakota" (Co P.I. with P.I. J. H. Hartman)

The Dinosaur Society, 1995, \$16,767.

"Dinosaurs from the Late Cretaceous of Madagascar"

National Science Foundation – Geology and Paleontology (EAR-9418816), 1995–97, \$167,812.

"Late Cretaceous vertebrates from Madagascar: Implications for the plate tectonic and biogeographic history of Gondwana." (Co-P.I.s – C. Forster, P. Dodson, M. Gottfried, and G. Buckley) (includes supplement)

National Science Foundation – Ecological and Evolutionary Physiology, 1996–97, \$7,725.

Doctoral Dissertation Improvement Grant for John P. Hunter: "Trophic diversity of early Paleocene ungulates (Mammalia, "Condylarthra")."

National Science Foundation – Geology and Paleontology, 1997–2001 (EAR-9706302), \$257,761.

"Late Cretaceous Vertebrates from Madagascar: Implications for Gondwanan Biogeography." (Co-P.I.s – C. Forster, S. Sampson, R. Rogers, and G. Buckley; Collaborator: J. Hartman)

National Science Foundation – Geology and Paleontology, Research Experiences for Undergraduates Supplement, 1998, \$5,000.

"Late Cretaceous Vertebrates from Madagascar: Implications for Gondwanan Biogeography." (Co-P.I. – R. Rogers)

National Geographic Society (6400-99), 1999–2000, \$37,700.

"Late Cretaceous Vertebrates from Madagascar: Implications for Gondwanan Biogeography."

National Geographic Society (6940-00), 2001–2003, \$40,000

“Madagascar’s Buried Treasure: Late Cretaceous Dinosaurs and Other Vertebrates.”

National Science Foundation – Geology and Paleontology (EAR-0106477), 2001–2004 (extended to 04/05), \$280,177.

“Late Cretaceous Vertebrates from Madagascar: Implications for Gondwanan Biogeography.” (Co-P.I.s – G. Buckley, C. Forster, R. Rogers, S. Sampson)

National Science Foundation – Geosciences – Major Research Instrumentation (EAR-0116517), 2001–2004 (extended to 2005), \$325,620 (includes matching funds from Stony Brook University).  
“Acquisition of Instruments and Technical Support for an Interdepartmental Fossil Preparation Laboratory.” (Co-PI with PI M. A. O’Leary)

Smithtown Rotary Club Charitable Fund, 2002, \$4,395

“Well-drilling Project for Berivotra Community, northwestern Madagascar”

National Speleological Society, 2002–2003, \$1,700

“The origin and evolution of extant Malagasy mammals: Implications of new Late Pleistocene fossils for reconstructing Madagascar’s biogeographic history.” (for dissertation research of Karen E. Samonds)

National Science Foundation – Geology and Paleontology (EAR-0308902), 2003–2005, \$138,426  
“The Crazy Mountains Basin Project: Composition, Diversity, and Evolution of Paleocene Mammals.” (Co-PI – J. I. Bloch)

National Science Foundation – BES – Major Research Instrumentation, 2003–2004, \$277,954  
“High resolution micro-computed tomography scanning of biologic tissues”  
(Senior personnel on proposal – PI S. Judex, Co-PIs B. Demes and C. T. Rubin)

Office of the Vice President for Research, Stony Brook University (RSR #03-0701-1058), 2004–2005, \$53,000  
“Expanding paleontology core services at Stony Brook University”

National Geographic Society (7645-04), 2004–2005, \$38,000

“The Mahajanga Basin Project: Late Cretaceous Dinosaurs and Other Vertebrates from Madagascar”

National Science Foundation – Sedimentary Geology and Paleontology (EAR-0446488), 2005–2010, \$470,693.  
“The Mahajanga Basin Project: Late Cretaceous Vertebrates from Madagascar and their Implications for the Biogeographic History of Gondwana.” (Co-P.I.s – G. Buckley, C. Forster, P. O’Connor, and R. Rogers)

U.S. Embassy – Madagascar, Ambassador’s Special Self-Help Program, 2005, \$6,000

“Portable Museum Display and Craft Store for the Fossil-Rich Berivotra Area, Madagascar”

Office of the Vice President for Research, Stony Brook University, 2005–2007, \$97,832

“Postdoctoral Position to Assist Research on Late Cretaceous Mammals from Madagascar”

The Kissinger Family Foundation, 2006, \$5,000  
 "2006 Dental Mission to Madagascar"

The Asahi Shimbun Company, Tokyo, 2006, \$33,920.14  
 "Building Schools in Madagascar"

Rotary International, 2006–2007, \$16,275  
 "Water Disinfection Project for Rural Populations in Northwestern Madagascar"

Evolving Earth Foundation, 2006–2007, \$2,962  
 Doctoral Dissertation Research Grant for Douglas Boyer: "Dietary Analysis of Stem-Primates: Implications for Adaptive Origin of Euprimates."

National Science Foundation – Anthropology (BCS-0622544), 2006–2008, \$8,362.  
 Doctoral Dissertation Improvement Grant for Douglas Boyer: "Taxonomy, Phylogeny, and Paleobiology of Late Paleocene Plesiadapidae (Mammalia, Primates): Implications for the Origin of Euprimates"

Simons Foundation, 2007–2008, \$50,000  
 "Construction of the Mahajanga Basin Project Field Research Facility"

GO Campaign, 2008–2009, \$1,250  
 "Secondary School Education in Berivotra, Madagascar"

National Geographic Society, 2009–2010, \$30,000 (8597-09)  
 "The Mahajanga Basin Project: Late Cretaceous Dinosaurs and Other Vertebrates from Madagascar"

National Science Foundation – Sedimentary Geology and Paleontology (EAR-0940759; Supplement to EAR-0446488 to publish monograph on "*Simosuchus clarki* [Crocodyliformes: Notosuchia] from the Late Cretaceous of Madagascar"), 2009–2010, \$32,760.

National Science Foundation – DEB Phylogenetic Systematics, 2010–2012, \$15,000 (DEB-1011302)  
 Doctoral Dissertation Improvement Grant for Joseph J. W. Sertich: "Phylogeny and Cretaceous Biogeography of Gondwanan Mesoeucrocodylia"

National Science Foundation – Sedimentary Geology and Paleontology (EAR-1123642), 2011–2015, \$234,774  
 "Cretaceous Vertebrates from Madagascar: A Window into the Biogeographic and Plate Tectonic History of Gondwana"

National Geographic Society, 2012–2013, \$30,000 (9057-12)  
 "The Mahajanga Basin Project: Exciting new bird and mammal fossils from the Late Cretaceous of Madagascar"

The Rotary Foundation Matching Grant Program, 2012–2014, \$24,850  
 "Water Disinfection Project for Rural Populations in Northwestern Madagascar"



National Science Foundation – Sedimentary Geology and Paleontology (EAR-1528273), 2015–2016, \$10,071

“Cretaceous Vertebrates from Madagascar: A Window into the Biogeographic and Plate Tectonic History of Gondwana”

National Science Foundation – Sedimentary Geology and Paleontology (EAR-1664432), 2016–2018, \$259,976

“Cretaceous Vertebrates from Madagascar: A Window into the Biogeographic and Plate Tectonic History of Gondwana”

## Publications – Edited Volumes:

- 2007 S. D. Sampson and **D. W. Krause** (editors). *Majungasaurus crenatissimus* (Theropoda: Abelisauridae) from the Late Cretaceous of Madagascar. *Society of Vertebrate Paleontology Memoir 8. Journal of Vertebrate Paleontology* 30 (2, Supplement), 184 pp.
- 2010 **Krause, D. W.**, and N. J. Kley (editors). *Simosuchus clarki* (Crocodyliformes: Notosuchia) from the Late Cretaceous of Madagascar. *Society of Vertebrate Paleontology Memoir 10. Journal of Vertebrate Paleontology* 30 (6, Supplement), 236 pp.
- 2014 **Krause, D. W.** (editor). *Vintana sertichi* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. *Society of Vertebrate Paleontology Memoir 14. Journal of Vertebrate Paleontology* 34 (6, Supplement), 222 pp.

## Publications – Articles:

- 1977 **Krause, D. W.** and B. G. Naylor. Range of the bushy-tailed woodrat (*Neotoma cinerea*) in Alberta. *Canadian Field-Naturalist* 91:323–324.
- 1977 **Krause, D. W.** Paleocene multituberculates (Mammalia) of the Roche Percée local fauna, Ravenscrag Formation, Saskatchewan, Canada. *Paleontographica, Abt. A.*, 159:1–36.
- 1978 **Krause, D. W.** Paleocene primates from western Canada. *Canadian Journal of Earth Sciences* 15:1250–1271.
- 1979 **Krause, D. W.** and D. Baird. Late Cretaceous mammals east of the North American Western Interior Seaway. *Journal of Paleontology* 53:562–565.
- 1980 Gingerich, P. D., K. D. Rose and **D. W. Krause**. Early Cenozoic mammalian faunas of the Clark's Fork Basin – Polecat Bench area, northwestern Wyoming. In *Early Cenozoic Paleontology and Stratigraphy of the Bighorn Basin, Wyoming* (P. D. Gingerich, ed.). *University of Michigan Papers on Paleontology* 24:51–68.
- 1980 **Krause, D. W.** Early Tertiary amphibians from the Bighorn Basin, Wyoming. In *Early Cenozoic Paleontology and Stratigraphy of the Bighorn Basin, Wyoming* (P. D. Gingerich, ed.). *University of Michigan Papers on Paleontology* 24:69–71.
- 1980 **Krause, D. W.** Multituberculates from the Clarkforkian Land-Mammal Age, late Paleocene - early Eocene, of western North America. *Journal of Paleontology* 54:1163–1183.
- 1981 Naylor, B. G. and **D. W. Krause**. *Piceoerpeton*, a giant early Tertiary salamander from western North America. *Journal of Paleontology* 55:507–523.
- 1982 Rose, K. D. and **D. W. Krause**. Cyriacotheriidae, a new family of early Tertiary pantodonts (Mammalia) from western North America. *Proceedings of the American Philosophical Society* 126:26–50.

- 1982 **Krause, D. W.** Multituberculates from the Wasatchian Land-Mammal Age, early Eocene, of western North America. *Journal of Paleontology* 56:271–294.
- 1982 **Krause, D. W.** Jaw movement, dental function, and diet in the Paleocene multituberculate *Ptilodus*. *Paleobiology* 8:265–281.
- 1983 Jenkins, F. A., Jr. and **D. W. Krause**. Adaptations for climbing in North American multituberculates (Mammalia). *Science* 220:712–715.
- 1983 Gingerich, P. D., P. Houde and **D. W. Krause**. A new earliest Tiffanian (late Paleocene) mammalian fauna from Bangtail Plateau, western Crazy Mountain Basin, Montana. *Journal of Paleontology* 57:957–970.
- 1983 **Krause, D. W.** and F. A. Jenkins, Jr. The postcranial skeleton of North American multituberculates (Mammalia). *Bulletin of the Museum of Comparative Zoology*, Harvard University, 150:199–246.
- 1983 **Krause, D. W.** and P. D. Gingerich. Mammalian fauna from Douglass Quarry, earliest Tiffanian (late Paleocene) of the eastern Crazy Mountain Basin, Montana. *University of Michigan Museum of Paleontology Contributions* 26:157–196.
- 1984 **Krause, D. W.** Mammalian evolution in the Paleocene: Beginning of an era. In T. W. Broadhead (ed.), *Mammals: Notes for a Shortcourse*. University of Tennessee Department of Geological Sciences Studies in Geology 8:87–109.
- 1984 Rose, K. D. and **D. W. Krause**. Affinities of the primate *Altanius* from the early Tertiary of Mongolia. *Journal of Mammalogy* 65:721–726.
- 1985 Carlson, S. J. and **D. W. Krause**. Enamel ultrastructure of multituberculate mammals: an investigation of variability. *University of Michigan Museum of Paleontology Contributions* 27:1–50.
- 1986 **Krause, D. W.** Competitive exclusion and taxonomic displacement in the fossil record: the case of rodents and multituberculates in North America. In *Vertebrates, Phylogeny, and Philosophy: a Tribute to George Gaylord Simpson* (K. M. Flanagan and J. A. Lillegraven, eds.), *University of Wyoming Contributions to Geology*, Special Paper No. 3:95–117.
- 1986 **Krause, D. W.** and S. J. Carlson. The enamel ultrastructure of multituberculate mammals: a review. *Scanning Electron Microscopy/1986*:1591–1607. Reprinted as pp. 165–180 in L. Martin, A. Boyde, F. Grine, and S. Jones (eds.), *Scanning Microscopy of Vertebrate Mineralized Tissues* (1988). Scanning Microscopy International, Chicago, 384 pp.
- 1986 Grine, F. E., G. Fosse, **D. W. Krause** and W. L. Jungers. Analysis of enamel ultrastructure in archaeology: the identification of *Ovis aries* and *Capra hircus* dental remains. *Journal of Archaeological Science* 13:579–595.
- 1987 **Krause, D. W.** *Baiotomeus*, a new ptilodontid multituberculate (Mammalia) from the middle Paleocene of western North America. *Journal of Paleontology* 61:595–603.

- 1987 Grine, F. E., **D. W. Krause**, G. Fosse, and W. L. Jungers. Analysis of individual, intraspecific and interspecific variability in quantitative parameters of caprine tooth enamel structure. *Acta Odontologica Scandinavica* 45:1–23.
- 1987 Butler, R. F., **D. W. Krause**, and P. D. Gingerich. Magnetic polarity stratigraphy and biostratigraphy of middle-late Paleocene continental deposits of south-central Montana. *Journal of Geology* 95:647–657.
- 1987 **Krause, D. W.** and S. J. Carlson. Prismatic enamel in multituberculate mammals: tests of homology and polarity. *Journal of Mammalogy* 68:755–765.
- 1987 **Krause, D. W.** Systematic revision of the genus *Prochetodon* (Multituberculata, Mammalia) from the late Paleocene and early Eocene of western North America. *University of Michigan Museum of Paleontology Contributions* 27:221–236.
- 1987 Archibald, J. D., W. A. Clemens, P. D. Gingerich, **D. W. Krause**, E. H. Lindsay, and K. D. Rose. First North American Land Mammal Ages of the Cenozoic Era. Pages 24–76 in M. O. Woodburne (ed.), *Cenozoic Mammals of North America*, University of California Press, Berkeley.
- 1988 Maas, M. C., **D. W. Krause**, and S. G. Strait. The decline and extinction of Plesiadapiformes (Mammalia: ?Primates) in North America: displacement or replacement? *Paleobiology* 14:410–431.
- 1989 Hartman, J. H., G. A. Buckley, **D. W. Krause**, and T. J. Kroeger. Paleontology, stratigraphy, and sedimentology of Simpson Quarry (early Paleocene), Crazy Mountains Basin, south-central Montana. Montana Geological Society, 1989 Field Conference Guidebook, Montana Centennial Edition, D. E. French and R. F. Grabb, eds., vol. II, pp. 173–185.
- 1989 Grine, F. E., D. E. Colflesh, D. J. Daegling, **D. W. Krause**, M. M. Dewey, R. H. Cameron, and C. K. Brain. Electron probe X-ray microanalysis of internal structures in a fossil hominid mandible and its implications for biomechanical modelling. *South African Journal of Science* 85:509–514.
- 1990 **Krause, D. W.**, and M. C. Maas. The biogeographic origins of late Paleocene – early Eocene mammalian immigrants to the Western Interior of North America. In "Dawn of the Age of Mammals in the northern part of the Rocky Mountain Interior, North America." T. M. Bown and K. D. Rose, eds. *Geological Society of America, Special Paper* 243:71–105.
- 1990 **Krause, D. W.**, and G. Hahn. Systematic position of the Paulchoffatiinae (Multituberculata, Mammalia). *Journal of Paleontology* 64:1051–1054.
- 1991 **Krause, D. W.** Were paromomyids gliders? Maybe, maybe not. *Journal of Human Evolution* 21:177–188.
- 1992 Wall, C. E., and **D. W. Krause**. A biomechanical analysis of the masticatory apparatus of *Ptilodus* (Multituberculata). *Journal of Vertebrate Paleontology* 12:172–187.

- 1992 **Krause, D. W.** *Clemensodon megaloba*, a new genus and species of Multituberculata (Mammalia) from the Upper Cretaceous type Lance Formation, Powder River Basin, Wyoming. *PaleoBios* 14(2):1–8.
- 1992 Fox, R. C., G. P. Youzwyshyn, and **D. W. Krause**. Post-Jurassic mammal-like reptile from the Palaeocene. *Nature* 358:233–235.
- 1992 **Krause, D. W.**, Z. Kielan-Jaworowska, and J. F. Bonaparte. *Ferugliotherium* Bonaparte, the first known multituberculate from Gondwanaland. *Journal of Vertebrate Paleontology* 12:351–376.
- 1992 Fox, R. C., G. P. Youzwyshyn, and **D. W. Krause**. Palaeocene therapsid debate [reply to H.-D. Sues]. *Nature* 360:540.
- 1993 **Krause, D. W.** *Vucetichia* (Gondwanatheria) is a junior synonym of *Ferugliotherium* (Multituberculata). *Journal of Paleontology* 67:321–324.
- 1993 Hartman, J. H., and **D. W. Krause**. Cretaceous and Paleocene stratigraphy and paleontology of the Shawmut Anticline and the Crazy Mountains Basin, Montana: Road log and overview of recent investigations. *Montana Geological Society – South-Central Field Conference Guidebook*, pp. 71–84.
- 1993 **Krause, D. W.**, and J. F. Bonaparte. Superfamily Gondwanatherioidea: A previously unrecognized radiation of multituberculate mammals in South America. *Proceedings of the National Academy of Sciences, U.S.A.* 90:9379–9383.
- 1993 **Krause, D. W.**, and Z. Kielan-Jaworowska. The endocranial cast and encephalization quotient of *Ptilodus* (Multituberculata, Mammalia). *Palaeovertebrata* 22:99–112.
- 1994 **Krause, D. W.**, J. H. Hartman, N. A. Wells, G. A. Buckley, C. A. Lockwood, C. E. Wall, R. E. Wunderlich, J. A. Rabarison, and L. L. Randriamiaramanana. Late Cretaceous mammals [from Madagascar]. *Nature* 368:298.
- 1994 Maas, M. C., and **D. W. Krause**. Mammalian turnover and community structure in the Paleocene of North America. *Historical Biology* 8:91–128.
- 1995 Maas, M. C., M. R. L. Anthony, P. D. Gingerich, G. F. Gunnell, and **D. W. Krause**. Mammalian generic diversity and turnover in the Late Paleocene and Early Eocene of the Bighorn and Crazy Mountains Basins, Wyoming and Montana (USA). *Palaeogeography, Palaeoclimatology, Palaeoecology* 115:181–207.
- 1996 **Krause, D. W.**, and J. H. Hartman. Late Cretaceous fossils from Madagascar and their implications for biogeographic relationships with the Indian subcontinent. In A. Sahni (ed.), *Cretaceous Stratigraphy and Palaeoenvironments*. *Memoir, Geological Society of India* 37:135–154.
- 1996 Forster, C. A., L. M. Chiappe, **D. W. Krause**, and S. D. Sampson. The first Cretaceous bird from Madagascar. *Nature* 382:532–534.

- 1996 Sampson, S. D., **D. W. Krause**, P. Dodson, and C. A. Forster. The premaxilla of *Majungasaurus* (Theropoda, Ceratosauria), with implications for Gondwanan paleobiogeography. *Journal of Vertebrate Paleontology* 16:601–605.
- 1997 **Krause, D. W.**, J. H. Hartman, and N. A. Wells. Late Cretaceous vertebrates from Madagascar: Implications for biotic change in deep time. Pp. 3–43 in S. D. Goodman and B. D. Patterson (eds.), *Natural Change and Human Impact in Madagascar*. Smithsonian Institution Press, Washington, D.C.
- 1997 Sampson, S. D., **D. W. Krause**, and Forster, C. A. Madagascar's buried treasure. *Natural History* 106(2):24–27.
- 1997 **Krause, D. W.**, G. V. R. Prasad, W. von Koenigswald, A. Sahni, and F. E. Grine. Cosmopolitanism among Late Cretaceous Gondwanan mammals. *Nature* 390:504–507.
- 1997 Hunter, J. P., J. H. Hartman, and **D. W. Krause**. Mammals and mollusks across the Cretaceous–Tertiary boundary from Makoshika State Park and vicinity (Williston Basin), Montana. A Festschrift in Honor of Marshall Lambert: Paleontology and Geology in the Northern Great Plains (ed., J. H. Hartman). *Contributions to Geology, The University of Wyoming*, 32(1):61–114.
- 1998 Forster, C. A., S. D. Sampson, L. M. Chiappe, and **D. W. Krause**. The theropod ancestry of birds: New evidence from the Late Cretaceous of Madagascar. *Science* 279:1915–1919.
- 1998 Sampson, S. D., L. M. Witmer, C. A. Forster, **D. W. Krause**, P. M. O'Connor, P. Dodson, and F. Ravoavy. Predatory dinosaur remains from Madagascar: Implications for the Cretaceous biogeography of Gondwana. *Science* 280:1048–1051.
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- 1998 Asher, R. J., and **D. W. Krause**. The first pre-Holocene (Cretaceous) record of Anura from Madagascar. *Journal of Vertebrate Paleontology* 18:696–699.
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- 1999 **Krause, D. W.**, R. R. Rogers, C. A. Forster, J. H. Hartman, G. A. Buckley, and S. D. Sampson. The Late Cretaceous vertebrate fauna of Madagascar: Implications for Gondwanan paleobiogeography. *GSA Today* 9(8):1–7.

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- 2000 **Krause, D. W.** Madagascar. Pp. 689–691 (Volume 2) in (R. Singer, ed.), *Encyclopedia of Paleontology*, Fitzroy Dearborn Publishers, Chicago.
- 2000 Rogers, R. R., J. H. Hartman, and **D. W. Krause**. Stratigraphic analysis of Upper Cretaceous rocks in the Mahajanga Basin, northwestern Madagascar: Implications for ancient and modern faunas. *Journal of Geology* 108:275–301.
- 2000 Buckley, G. A., C. Brochu, **D. W. Krause**, and D. Pol. A pug-nosed crocodyliform from the Late Cretaceous of Madagascar. *Nature* 405:941–944.
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- 2001 **Krause, D. W.** Fossil molar from a Madagascan marsupial. *Nature* 412:497–498.
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- 2003 **Krause, D. W.**, S. E. Evans, and K.-Q. Gao. First definitive record of Mesozoic lizards from Madagascar. *Journal of Vertebrate Paleontology* 23:842–856.
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- 2008 Trehan, P., F. Ferguson, C. Cutler, **D. Krause**, N. Odingo, L. Hyman, and S. Froum. Study of risk factors for the oral infectious disease dental caries in Madagascar. *New England Science Symposium, Harvard University, Program with Abstracts*, pp. 38–39.
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- 2010 Rogers, R., and **D. Krause**. New insights into the geological context of the Late Cretaceous vertebrate assemblage from the Maevarano Formation, Mahajanga Basin, Madagascar. *Journal of Vertebrate Paleontology, Program with Abstracts*: 153A.
- 2011 **Krause, D. W.**, and J. R. Ali. Vertebrate biogeography of Gondwana: implications of the absence of landbridges between Antarctica and Indo-Madagascar during the Late Cretaceous. *11<sup>th</sup> International Symposium on Antarctic Earth Sciences*. Edinburgh, Scotland.
- 2012 Godfrey, L. R., K. E. Samonds, J. R. Ali, S. M. Goodman, M. Vences, M. R. Sutherland, M. I. Irwin, and **D. W. Krause**. Reconstructing Madagascar's vertebrate colonization history: a journey through time. *Program of the 81<sup>st</sup> Annual Meeting of the American Association of Physical Anthropology* 147 (Supplement 54): 152.
- 2012 **Krause, D. W.**, S. Hoffmann, and J. R. Groenke. First cranial remains of a gondwanatherian mammal. *Journal of Vertebrate Paleontology, Program with Abstracts*: 123.
- 2013 Evans, S. E., J. R. Groenke, M. E. H. Jones, A. H. Turner, and **D. W. Krause**. Big, bad, and bizarre: new material of *Beelzebufo*, a hyperossified anuran from the Late Cretaceous of Madagascar, yields further surprises. *Journal of Vertebrate Paleontology, Program with Abstracts*.
- 2013 Hoffman, S., P. M. O'Connor, and **D. W. Krause**. First endocranial reconstruction of a gondwanatherian mammal. *Journal of Vertebrate Paleontology, Program with Abstracts*.
- 2013 **Krause, D. W.**, S. Hoffmann, and J. H. Nestler. The first associated upper dentition of a gondwanatherian mammal. *Journal of Vertebrate Paleontology, Program with Abstracts*.
- 2014 Hoffmann, S., **D. W. Krause**, J. R. Wible, and E. Seiffert. New insights from the first cranial remains of a gondwanatherian: implications for mammaliaform phylogeny. *Journal of Vertebrate Paleontology, Program with Abstracts*.
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- 2016 **Krause, D. W.**, Y. Hu, S. Hoffmann, J. G. Groenke, J. A. Schultz, and W. v. Koenigswald. The bizarre dental morphology of a new gondwanatherian mammal from the Late Cretaceous of Madagascar. *Journal of Vertebrate Paleontology, Program with Abstracts*, p. 155.

- 2016 Hoffmann, S., **D. W. Krause**, and Y. Hu. The first postcranial remains of a gondwanatherian mammal. *Journal of Vertebrate Paleontology, Program with Abstracts*, p. 169.
- 2017 Hoffmann, S., **D. W. Krause**, and Y. Hu. The first postcranial remains of a gondwanatherian mammal; implications for posture and locomotion. *Society for Integrative and Comparative Biology Annual Meeting 2017*, New Orleans, P1.176.
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- 2017 **Krause, D. W.**, S. Hoffmann, and S. Werning. First postcranial remains of multituberculates (Allotheria, Mammalia) from Gondwana. *Journal of Vertebrate Paleontology, Program with Abstracts*, p. 144.
- 2017 Rogers, R. R., **D. W. Krause**, K. A. Curry Rogers, J. R. Groenke, P. M. O'Connor, and J. J. W. Sertich. Twenty years of taphonomic observations and insights in the Upper Cretaceous Maevarano Formation, northwestern Madagascar. *Journal of Vertebrate Paleontology, Program with Abstracts*, p. 186.
- 2017 Rushing, S. A., **D. W. Krause**, and G. W. Flora. Taphonomic analysis of mammalian remains from the Generator Dome Locality of Porcupine Cave, Park County, Colorado. *Journal of Vertebrate Paleontology, Program with Abstracts*, p. 187.
- 2017 Templeman, T., J. Eberle, D. Lofgren, and **D. W. Krause**. New earliest Paleocene (Puercan) multituberculates from the China Butte Member of the Fort Union Formation, Great Divide Basin, Wyoming. *Journal of Vertebrate Paleontology, Program with Abstracts*, p. 203.
- 2018 Rogers, R. R., **D. W. Krause**, K. A. Curry Rogers, P. M. O'Connor, J. J. W. Sertich, J. R. Groenke, and S. H. Burch. Taphonomy of the Maevarano Formation vertebrate assemblage: life and death in the Late Cretaceous of Madagascar. 5<sup>th</sup> International Palaeontological Congress, Paris.
- 2018 **Krause, D. W.** Beyond bizarre: Cranial, lower jaw, and dental morphology of gondwanatherian mammals from the Late Cretaceous of Madagascar. Beijing Museum of Natural History, International Symposium on Mesozoic Mammals.
2018. Dougan, L. G., **D. W. Krause**, J. Sertich, P. Sullivan, and J. R. Groenke. Evaluation of novel visualization software for virtual paleontology. Society of Vertebrate Paleontology, Program with Abstracts, p. 117.
- 2018 **Krause, D. W.**, S. Hoffmann, J. R. Wible, G. W. Rougier, and Y. Hu. Lower jaw morphology of a new gondwanatherian mammal from the Late Cretaceous of Madagascar. Society of Vertebrate Paleontology, Program with Abstracts, p. 162.
- 2019 Groenke, J., W. Holloway, S. Hoffmann, P. O'Connor, **D. W. Krause**, and J. Wible. The preparation of *Vintana sertichi* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. Association for Materials & Methods in Paleontology, 12<sup>th</sup> Annual Meeting, Fort Hays, KS.

2019 O’Conner, P. M., J. Groenke, and **D. W. Krause**. Maximizing specimen data, minimizing specimen risk: mechanical and digital preparation of fossils from a Late Cretaceous bonebed in Madagascar. Association for Materials & Methods in Paleontology, 12<sup>th</sup> Annual Meeting, Fort Hays, KS.

## Presentations:

1976 29<sup>th</sup> Annual Meeting, Geological Association of Canada, Edmonton, Alberta.

1978 Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts.  
38<sup>th</sup> Annual Meeting, Society of Vertebrate Paleontology, Toronto, Ontario.

1979 39<sup>th</sup> Annual Meeting, Society of Vertebrate Paleontology, Pittsburgh, Pennsylvania.

1980 40<sup>th</sup> Annual Meeting, Society of Vertebrate Paleontology, Gainesville, Florida.

1981 Department of Vertebrate Paleontology, American Museum of Natural History, New York, NY.  
61<sup>st</sup> Annual Meeting, American Society of Mammalogists, Oxford, Ohio.  
94<sup>th</sup> Annual Meeting, Geological Society of America, Cincinnati, Ohio.  
41<sup>st</sup> Annual Meeting, Society of Vertebrate Paleontology, Ann Arbor, Michigan.  
Department of Anatomical Sciences, State University of New York, Stony Brook, NY.

1983 43<sup>rd</sup> Annual Meeting, Society of Vertebrate Paleontology, Laramie, Wyoming.

1984 97<sup>th</sup> Annual Meeting, Geological Society of America, Reno, Nevada.

1985 Department of Cell Biology and Anatomy, The Johns Hopkins University, Baltimore, Maryland.  
65<sup>th</sup> Annual Meeting, American Society of Mammalogists, Orono, Maine.  
Fourth International Theriological Congress, Edmonton, Alberta.

1986 Scanning Electron Microscopy 1986 meeting, New Orleans, Louisiana.  
Department of Geology, Rutgers University, New Brunswick, New Jersey.  
46<sup>th</sup> Annual Meeting, Society of Vertebrate Paleontology, Philadelphia, Pennsylvania.

1987 40<sup>th</sup> Annual Meeting, Geological Society of America (Rocky Mountain Section), Boulder, Colorado.  
Montana Geological Society, Crazy Mountains Basin Field Conference, Billings, Montana (J. H. Hartman – co-leader).

1988 48<sup>th</sup> Annual Meeting, Society of Vertebrate Paleontology, Drumheller, Alberta.  
Division of Biology and Medicine, Brown University, Providence, Rhode Island.

1989 Paleontologisk Museum, Universitetet i Oslo, Oslo, Norway.  
49<sup>th</sup> Annual Meeting, Society of Vertebrate Paleontology, Austin, Texas.

1990 Department of Geology, University of California, Davis, California.  
Department of Zoology, University of Alberta, Edmonton, Alberta.  
Museo Argentino de Ciencias Naturales, Buenos Aires, Argentina.

- 50<sup>th</sup> Annual Meeting, Society of Vertebrate Paleontology, Lawrence, Kansas.
- 1992 Makoshika State Park, Glendive, Montana.  
Long Island Academy of Odontology, New Hyde Park, NY.  
52<sup>nd</sup> Annual Meeting, Society of Vertebrate Paleontology, Toronto, Ontario.
- 1993 Department of Geophysical Sciences, University of Chicago, Chicago.  
Three Village Historical Society, Stony Brook, NY.  
Fourth Congress, European Society for Evolutionary Biology, Paleobiology and Evolution of Early Cenozoic Mammals: A Symposium in Honor of D. E. Russell, Montpellier, France.  
53<sup>rd</sup> Annual Meeting, Society of Vertebrate Paleontology, Albuquerque, New Mexico.
- 1994 Royal Tyrrell Museum of Palaeontology, Drumheller, Alberta, Canada.  
Cincinnati Museum of Natural History, Cincinnati, Ohio.  
Department of Biological Anthropology and Anatomy, Duke University, Durham, North Carolina.  
54<sup>th</sup> Annual Meeting, Society of Vertebrate Paleontology, Seattle, Washington.
- 1995 Department of Geology, Panjab University, Chandigarh, India.  
Geological Studies Unit, Indian Statistical Institute, Calcutta, India.  
Four Harbors Audubon Society, Smithtown, NY.  
Symposium on "Natural and Human-Induced Change in Madagascar," The Field Museum, Chicago.  
55<sup>th</sup> Annual Meeting, Society of Vertebrate Paleontology, Pittsburgh, Pennsylvania.
- 1996 Dinofest International Symposium, Arizona State University, Tempe, Arizona.  
Department of Paleontology and Biological Anthropology, University of Antananarivo.  
Denver Museum of Natural History, Denver, Colorado.  
56<sup>th</sup> Annual Meeting, Society of Vertebrate Paleontology, New York, NY.
- 1997 57<sup>th</sup> Annual Meeting, Society of Vertebrate Paleontology, Chicago, Illinois.
- 1998 Department of Geology and Geophysics, University of Wyoming, Laramie, Wyoming.  
Museum of Geology, University of Wyoming, Laramie.  
The Explorers Club, New York, NY.  
Department of Cell Biology and Anatomy, The Johns Hopkins University, Baltimore, Maryland.  
Ward Melville Heritage Organization, Stony Brook, NY.  
Gondwana 10 Symposium, Cape Town, South Africa.  
58<sup>th</sup> Annual Meeting, Society of Vertebrate Paleontology, Salt Lake City, Utah.
- 1999 Smithtown Rotary Club, Smithtown, NY.  
Grand Rounds, Department of Medicine, Stony Brook University, Stony Brook, NY.  
Department of Geology Distinguished Lecture Series, Michigan State University, East Lansing, Michigan.  
Department of Geology and Geophysics Turner Lecture Series, University of Michigan, Ann Arbor, Michigan.  
North Dakota Academy of Sciences, Annual Banquet Address, Grand Forks, North Dakota.  
Department of Geology, University of North Dakota, Grand Forks, North Dakota.  
Three Village Rotary Club, Stony Brook, NY (twice).



- American Cultural Center, Antananarivo, Madagascar.  
 "A Celebration of Research and Creative Activity," Stony Brook University, Stony Brook, NY.  
 Huntington Audubon Society, Huntington, NY.  
 "Family Day: A Day in the Life of a Stony Brook Student," Stony Brook University, Stony Brook, NY.
- 2000 Four Harbors Audubon Society, Smithtown, NY.  
 Department of Biological Anthropology and Anatomy, Duke University, Durham, North Carolina.  
 Department of Biology, Stockton State College, New Jersey.  
 Mystic Seaport, Mystic, Connecticut.  
 DinoLand, Animal Kingdom, DisneyWorld, Orlando, Florida.  
 Smithtown Rotary Club, Smithtown, NY.  
 60<sup>th</sup> Annual Meeting, Society of Vertebrate Paleontology, Mexico City, Mexico.
- 2001 Sixth International Congress on Vertebrate Morphology, Jena, Germany  
 Women in Science and Engineering Program, Stony Brook University  
 Culture, Career, and Competence Symposium, School of Medicine, Stony Brook University
- 2002 Hauppauge Rotary Club, Hauppauge, NY  
 New York Paleontological Society, New York City, NY  
 Smithtown Rotary Club, Smithtown, NY  
 Department of Biology, East Stroudsburg University, East Stroudsburg, Pennsylvania  
 Rutgers University, Geology Museum Open House, New Brunswick, New Jersey  
 Smithtown Book Club, Smithtown, NY  
 62<sup>nd</sup> Annual Meeting, Society of Vertebrate Paleontology, Norman, Oklahoma  
 Department of Earth and Atmospheric Sciences, Stony Brook University  
 Cleary School for the Deaf, Nesconset, NY  
 Port Jefferson Rotary Club, Port Jefferson, NY  
 Sunrise Rotary Club, Smithtown, NY  
 Long Island Science Center, Riverhead, NY
- 2003 Government Relations staff, Stony Brook University, Stony Brook, NY  
 Women in Science and Engineering, Stony Brook University, Stony Brook, NY  
 Joseph A. Edgar School, Rocky Point, NY  
 Hot Topics in Albany, New York State Legislature, Albany, NY  
 Women's Republican Club, Smithtown, NY  
 Cleary School for the Deaf, Nesconset, NY  
 Department of Ecology and Evolutionary Biology, Yale University, New Haven, CT  
 Geology Open Night, Department of Geosciences, Stony Brook University, NY  
 Omicron Kappa Upsilon, Dental Honor Society, Stony Brook University – banquet address  
 Stony Brook University Alumni Weekend "Hot Topic" presentations (2)  
 President's Lecture Series, University of Mahajanga, Madagascar  
 63<sup>rd</sup> Annual Meeting, Society of Vertebrate Paleontology, St. Paul, Minnesota  
 Committee for Research and Exploration, National Geographic Society, Mahajanga, Madagascar  
 United States Embassy, Mauritius  
 Peconic Landing Retirement Community, Greenport, NY
- 2004 Smithtown High School, Interact Club (Young Rotarians), Smithtown, NY (twice)

- Department of Biological Sciences and Department of Geology & Geophysics, University of  
 Calgary, Calgary, Alberta  
 Department of Biological Sciences, University of Alberta, Edmonton, Alberta  
 Paul J. Gelinis Junior High School Science Club, East Setauket, NY  
 New York State Academy of General Dentistry, East Elmhurst, NY  
 Middle Island Rotary Club, Middle Island, NY  
 Henry Marshall Tory Public Forum, University of Alberta, Edmonton, Alberta  
 Stony Brook University School of Medicine Alumni and Reunion Weekend  
 Sweetbriar Nature Center, Annual "Man of the Year" Banquet Address, Smithtown, NY  
 51<sup>st</sup> Annual Systematics Symposium, Missouri Botanical Gardens, St. Louis, Missouri  
 Science Teachers Association of New York State, West Islip High School, West Islip, NY  
 International Health Interest Group, Stony Brook University School of Medicine, Stony Brook, NY
- 2005 Middle Island Rotary Club, Middle Island, NY  
 National Science Museum, Roundtable Discussion, Tokyo, Japan  
 Asahi Shimbun Dinosaur Expo 2005 Public Forum, Tokyo, Japan  
 Center for Functional Anatomy and Evolution, Johns Hopkins University, Baltimore, Maryland  
 Rocky Point "Career Advisory Partnerships" Symposium, Rocky Point, NY  
 Science Museum of Minnesota, St. Paul, Minnesota  
 Smithtown Rotary Club, Smithtown, NY (twice)  
 Antananarivo Rotary Club, Antananarivo, Madagascar  
 School of Medicine, Mahajanga University, Mahajanga, Madagascar  
 Mahajanga Rotary Club, Mahajanga, Madagascar  
 Smithtown East High School Interact Club, Smithtown, NY  
 Nassau Suffolk Hospital Council, Hauppauge, NY  
 Student Faculty Staff Retreat, Stony Brook University, Glen Cove, NY  
 Stony Brook University Alumni Association, Stony Brook, NY  
 Smithtown East High School Interact Club, Smithtown, NY
- 2006 Smithtown Sunrise Rotary Club, Smithtown, NY  
 Smithtown West High School Interact Club, Smithtown, NY  
 Huntington Station Rotary Club, Huntington Station, NY  
 Joseph A. Edgar School, Rocky Point, NY  
 Rotary Club of the Ronkonkomas, Ronkonkoma, NY  
 Living Learning Center, Stony Brook University, Stony Brook, NY  
 Smithtown Rotary Club, Smithtown, NY  
 Port Jefferson Rotary Club, Port Jefferson, NY  
 Lecture on International Health in "Foundations of Medical Practice" course for first-year medical  
 students, Stony Brook University, Stony Brook, NY.  
 "Catalysis" meeting at the National Evolutionary Synthesis Center, Duke University: Historical  
 Perspectives on the Distribution of Biodiversity in Madagascar Symposium (invited speaker)  
 9<sup>th</sup> Symposium on Mesozoic Terrestrial Ecosystems and Biota, University of Manchester (invited  
 plenary presentation)  
 Académie Malgache, Antananarivo, Madagascar (invited lecture)  
 Journées de l'Eau, de l'Energie et des Mines, Ministry of Energy and Mines, Antananarivo,  
 Madagascar (invited lecture at conference)  
 Simons Summer Research Program for High School Seniors, Stony Brook University, Stony Brook,  
 NY (invited lecture)

- Stony Brook University Transfer Student Lecture (two sessions – 600 students), Stony Brook University, Stony Brook, NY (invited lecture)
- The Explorers Club, New York, NY (invited lecture)
- Stony Brook University Homecoming (“Wolfstock”), pre-banquet presentation to alumni and their families, Stony Brook, NY (invited lecture)
- Stony Brook University Wall Street Day, Stony Brook, NY (invited lecture)
- Stony Brook Foundation Board of Trustees Dinner, Stony Brook University, Stony Brook, NY (invited lecture)
- Living World Lecture Series, Stony Brook University, Stony Brook, NY (invited lecture)
- 2007 Mount Royal College/Alberta Palaeontological Society, Calgary, Alberta (invited lecture)
- Smithtown East High School Interact Club, Smithtown, NY
- Stony Brook University School of Medicine, invited presentation to 1<sup>st</sup> and 2<sup>nd</sup> year medical students
- Department of Geology, Macalester College, St. Paul, Minnesota (invited lecture)
- Lecture on International Health in “Foundations of Medical Practice” course for 1<sup>st</sup>-year medical students, Stony Brook University, Stony Brook, NY.
- New York Paleontological Society, American Museum of Natural History, New York, NY
- Smithtown High School West National Honor Society, Smithtown, NY (keynote speaker)
- Joseph A. Edgar School, Rocky Point, NY
- Long Island Science Center, Riverhead, NY
- Science Teachers of New York State convention, Stony Brook, NY (plenary lecture)
- Gelinas Junior High School, Setauket, NY (two assemblies of 500 students each)
- Dinosaur Walk Museum, Riverhead, NY
- Department of Ecology, Evolution, and Organismal Biology, Ohio State University, Columbus, Ohio
- Department of African Studies, Ohio University, Athens, Ohio
- Department of Biomedical Sciences, Ohio University, Athens, Ohio
- Sachem Science Research Symposium (guest speaker), Sachem High School, NY
- Stony Brook University Transfer Student Lecture (two sessions), Stony Brook University, Stony Brook, NY (two invited lectures)
- Stony Brook University Medical Center Research Classic Golf Tournament, Port Jefferson Country Club at Harbor Hills, Port Jefferson, NY (banquet address)
- Stony Brook Council, Stony Brook University, Stony Brook, NY (invited lecture)
- Parent/Family Day, Stony Brook University, Stony Brook, NY (two invited lectures)
- Science and Society Hot Topics, College of Science and Society, Stony Brook University, Stony Brook, NY (invited lecture)
- Stony Brook University Open House, Stony Brook University, Stony Brook, NY (invited lecture)
- 2008 Joseph A. Edgar School, Rocky Point, NY (two presentations)
- Lecture on International Health in “Foundations of Medical Practice” course for 1<sup>st</sup>-year medical students, Stony Brook University, Stony Brook, NY
- Presentations to football and lacrosse recruits and their parents, Stony Brook University, Stony Brook, NY (four presentations)
- Eastern Regional Meeting, American Student Dental Association, Chicago, Illinois (invited lecture)
- Stony Brook University School of Nursing Distinguished Alumni Awards Luncheon, Danford’s, Port Jefferson (guest speaker)
- Departments of Biology and Geology, Hofstra University (invited lecture)
- Stony Brook Southampton College, Southampton (invited lecture)

- Smithtown High School West National Honor Society, Smithtown, NY (keynote speaker)  
 Undergraduate College of Leadership & Service Commencement, Stony Brook University, Stony Brook, NY (keynote speaker)  
 60<sup>th</sup> Annual Meeting, Association of Graduate Schools, Association of American Universities, Stony Brook University, Stony Brook, NY (keynote luncheon speaker)  
 Stony Brook University Homecoming (“Wolfstock”), presentation to alumni and their families, Stony Brook, NY (invited lecture)  
 Science Teachers Association of New York State, 113<sup>th</sup> Annual Conference and General Meeting, Rochester, NY (invited speaker)  
 Stony Brook Emeritus Association, Stony Brook University, Stony Brook, NY (invited speaker)
- 2009 Presentations to football recruits and their parents, Stony Brook University, Stony Brook, NY (two presentations)  
 Joseph A. Edgar School, Rocky Point, NY (two presentations)  
 International Baccalaureate Seminar, Northport High School, Northport, NY (invited speaker)  
 Lecture on International Health in “Foundations of Medical Practice” course for 1<sup>st</sup>-year medical students, Stony Brook University, Stony Brook, NY (invited lecture)  
 Arrowhead Elementary School, Port Jefferson Station, NY (invited speaker)  
 Smithtown High School West, National Honor Society induction ceremony, Smithtown, NY (keynote speaker)  
 Commencement speaker, School of Dental Medicine convocation, Stony Brook University  
 Simons Fellows Summer Research Program, Stony Brook University (invited speaker)  
 Academic Showcase, Homecoming Weekend, Stony Brook University (invited speaker – two presentations)  
 Golden Key International Honour Society, Induction Ceremony, Keynote Speaker
- 2010 Geology Museum Open House, Rutgers University, NJ (invited speaker)  
 The Fossils of Madagascar exhibit unveiling, Stony Brook University Medical Center, Stony Brook, NY (keynote speaker)  
 Life Science & Exploration Distinguished Lecture Series, Stony Brook University, Stony Brook, NY (invited speaker)  
 Golden Key International Honour Society, Induction Ceremony, Stony Brook University, Stony Brook, NY (keynote speaker)  
 Stony Brook Foundation Board of Trustees Quarterly Meeting, Stony Brook University, Stony Brook, NY (invited speaker)  
 Golden Key International Honour Society Regional Summit, Stony Brook University, Stony Brook, NY (keynote speaker)  
 Lambda Theta Alpha Latin Sorority, “Reaching for the Stars” Banquet/Ball (keynote speaker)  
 National Honor Society, Smithtown West High School, Smithtown, NY (keynote speaker)  
 Smithtown Rotary Club, Smithtown, NY (invited speaker)  
 Joseph A. Edgar School, Rocky Point, NY (two presentations)  
 Setauket Elementary School, Setauket, NY (invited speaker)  
 Science Olympiad, Gelinas Junior High School, Setauket, NY (invited speaker)  
 Faculty of Science, University of Antananarivo, Antananarivo, Madagascar (invited speaker)  
 Walter Johns Alumni Circle, University of Alberta, Edmonton, Alberta, Canada (invited speaker)
- 2011 Joseph A. Edgar School, Rocky Point, NY  
 LEADStrong, Student Leadership Conference, Stony Brook, NY (keynote speaker)

- National Honor Society, Smithtown West High School, Smithtown, NY (keynote speaker)  
 Rotary Youth Leadership Awards Conference, Wading River, NY (keynote speaker)  
 Alternative Spring Break Outreach, Stony Brook University, Stony Brook, NY (invited speaker)  
 Paleo Gala 2011, The University of Alberta, Edmonton, Alberta, Canada (keynote speaker)  
 National Honor Society, Central Islip Senior High School, Central Islip, NY (keynote speaker)  
 Nassakeag Elementary School, Setauket, NY (invited speaker)  
 Long Island Pine Barrens Discovery Day, Riverhead, NY (keynote speaker)  
 11<sup>th</sup> International Symposium on Antarctic Earth Sciences, Edinburgh, Scotland (invited speaker)  
 The Philanthropy Center, Northport, NY (keynote speaker)  
 Northport High School, Northport, NY (invited speaker)  
 Parent/Family Day, Stony Brook University, Stony Brook, NY (featured speaker)  
 Harbor Country Day School, Head of the Harbor, NY (invited speaker)  
 Huntington YMCA Leaders Club, Huntington, NY (invited speaker)
- 2012 Joseph A. Edgar School, Rocky Point, NY  
 Interact Club, Smithtown High School East, Smithtown, NY  
 National Honor Society, Smithtown High School West, Smithtown, NY (keynote speaker)  
 Unity Leadership Conference, The Long Island Center for Social Change, Commack, NY (workshop leader)  
 Port Jefferson Rotary Club, Port Jefferson, NY (invited speaker)  
 President Samuel Stanley's Trip to Madagascar, Les Roches Rouges, Mahajanga (invited speaker)  
 73<sup>rd</sup> Annual Meeting, Society of Vertebrate Paleontology, Raleigh, NC  
 Smithtown Rotary Club, Paul Harris Banquet, Smithtown, NY (keynote speaker)  
 Royal Ontario Museum, Toronto, Canada (invited speaker, Dinosaur Hunters Speaker Series)
- 2013 Joseph A. Edgar School, Rocky Point, NY (two presentations)  
 Sachem Public Library, Holbrook, NY (invited speaker)
- 2014 Joseph A. Edgar School, Rocky Point, NY
- 2015 Joseph A. Edgar School, Rocky Point, NY  
 Denver Museum of Nature & Science, Denver, CO (invited speaker, monthly colloquium)  
 John Mandracchia-Sawmill Intermediate School, Commack, NY  
 Forest Brook Elementary School, Smithtown, NY  
 Science Teacher Association of New York State, Suffolk section (keynote speaker)  
 Bruce Museum, Greenwich, CT (invited speaker, Science Lecture Series)  
 Burr Intermediate School, Commack, NY  
 Célébration du 40<sup>eme</sup> Anniversaire du Département de Paléontologie et d'Anthropologie Biologique, Université d'Antananarivo, Madagascar (invited speaker)  
 Paleopalooza, North Carolina Museum of Natural Sciences, Raleigh, NC (keynote speaker)
- 2016 Joseph A. Edgar School, Rocky Point, NY  
 Countrywood Primary Center, South Huntington, NY  
 McKenna Elementary School, Massapequa Park, NY  
 Extreme Mammals exhibit, volunteer training, Denver Museum of Nature & Science, CO  
 Colorado State University alumni event, Denver Museum of Nature & Science, CO

- 2017 Western Interior Paleontological Society, 10<sup>th</sup> Founders Symposium, Golden, CO (2 poster presentations)  
TEDxMileHigh audition, Denver, CO  
Department of Cell and Developmental Biology, School of Medicine, University of Colorado Anschutz Medical Campus (twice)  
Society of Vertebrate Paleontology, Calgary, AB (poster presentation)  
National Geographic Summit, Denver CO  
Ultimate Dinosaurs IMAX talk, Denver, CO
- 2018 Colorado Scientific Society, Denver, CO  
Tuesday Morning Club, Denver, CO  
Louisville Center for the Arts, Denver, CO  
The GYRO Club, Denver, CO  
Mesozoic Mammal Symposium, Beijing, China  
Department of Geological Sciences, University of Colorado – Boulder, Boulder, CO  
Stout Lecture, Dept. of Earth and Atmospheric Sciences, University of Nebraska, Lincoln, NE  
Western Interior Paleontological Society, Denver, CO  
Department of Cell and Developmental Biology, School of Medicine, University of Colorado Anschutz Medical Campus
- 2019 Royal Tyrrell Museum of Palaeontology, Drumheller, Alberta, Canada  
Joseph A. Edgar School, Rocky Point, NY