

Simone Hoffmann

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Education

- 2016 **Ph.D. Anatomical Sciences**, Stony Brook University
Dissertation: "Late Cretaceous mammals from Madagascar and their implications for the systematics of Mesozoic Mammaliaformes"
- 2013 **M.S. Biomedical Sciences**, Stony Brook University
- 2010 **Diplom (M.S.) Geology** "mit Auszeichnung" (Summa Cum Laude), Rheinische-Friedrich-Wilhelms Universität Bonn, Germany
- 2006 **Vordiplom (B.S.) Geology**, Rheinische-Friedrich-Wilhelms Universität Bonn, Germany

Professional Positions

- 2016–present **Assistant Professor** – Department of Anatomy, NYIT
- 2017–present **Research Associate** – Denver Museum of Nature and Sciences
- 2011–2015 **Graduate Teaching Assistant** – Human Gross Anatomy (HBA 521, HBA 531), Department of Anatomical Sciences, Stony Brook University
- 2010–2016 **Research Assistant** – Department of Anatomical Sciences, Stony Brook University
- 2006–2010 **Research Assistant** – Rheinische-Friedrich-Wilhelms Universität Bonn, Germany
- 2007–2010 **Museum Educator** – Goldfuß-Museum, Bonn, Germany

Publications

(*equal author contribution, #denotes student co-authors)

- Accepted **Hoffmann S**, Beck RMD, Wible JR, Rougier GW, Krause DW. Phylogenetic placement of *Adalatherium hui* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar: implications for allotherian relationships. Society of Vertebrate Paleontology Memoir 18. Journal of Vertebrate Paleontology
- Accepted Krause DW, **Hoffmann S**, Wible JR, Rougier GW. Lower jaw morphology of *Adalatherium hui* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. Society of Vertebrate Paleontology Memoir 18. Journal of Vertebrate Paleontology
- Accepted Krause DW, Hu Y, **Hoffmann S**, Groenke JR, Evans AR, Schultz JA, Koenigswald W, Rougier GW. Dental morphology of *Adalatherium hui* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. Society of Vertebrate Paleontology Memoir 18. Journal of Vertebrate Paleontology
- Accepted Krause DW, **Hoffmann S**, Rossie JB, Hu Y, Wible JR, Rougier GW, Kirk EC, Groenke JR. Craniofacial morphology of *Adalatherium hui* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. Society of Vertebrate Paleontology Memoir 18. Journal of Vertebrate Paleontology
- In revision Krause DW, **Hoffmann S**. *Adalatherium hui* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. Society of Vertebrate Paleontology Memoir 18. Journal of Vertebrate Paleontology
- In revision **Hoffmann S**, Hu Y, Krause DW. Postcranial morphology of *Adalatherium hui* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. Society of Vertebrate Paleontology Memoir 18. Journal of Vertebrate Paleontology
- In revision **Hoffmann S**, Kirk EC. Inner ear morphology of *Adalatherium hui* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. Society of Vertebrate Paleontology Memoir 18. Journal of Vertebrate Paleontology
- In revision Krause DW, Groenke JR, **Hoffmann S**, Raymond RR, Rahantarisoa LJ. Introduction *Adalatherium hui* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. Society of Vertebrate Paleontology Memoir 18. Journal of Vertebrate Paleontology
- 2020 Krause DW, **Hoffmann S**, Hu Y, Wible JR, Rougier GW, Kirk EC, Groenke JR, Rogers RR, Rossie JR, Schultz JA, Evans AR, Koenigswald Wv, Rahantarisoa LJ. Skeleton of Cretaceous mammal from Madagascar reflects long-term insularity. Nature. <https://doi.org/10.1038/s41586-020-2234-8>
- 2019 **Hoffmann S**, Krause DW. Tongues untied. Science 365, 222–223.

- 2018 **Hoffmann S**, Krause DW. A 3D view of early mammals. *Nature* 558, 32–33.
- 2018 Yohe LR*, **Hoffmann S***, Curtis A. Vomeronasal and olfactory structures in bats revealed by diceCT clarify genetic evidence of function. *Frontiers in Neuroanatomy* 12:32.
- 2017 Krause DW, **Hoffmann S**, Werning S. First postcranial remain of Multituberculata (Allotheria) from Gondwana. *Cretaceous Research* 80:91–100.
- 2014 Krause DW, **Hoffmann S**, Wible JR, Kirk EC, Schultz JA, Koenigswald Wv, Groenke JR, Rossie JB, O'Connor PM, Seiffert ER, Dumont ER, Holloway WL, Rogers RR, Rahantarisoa LJ, Kemp AD, Andriamialison H. First cranial remains of a gondwanatherian mammal reveal remarkable mosaicism. *Nature* 515:512–517.
- 2014 Krause DW, Wible JR, **Hoffmann S**, O'Connor PM, Groenke JR, Holloway WL, Rossie JB. Craniofacial morphology of *Vintana sertichi* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar; pp. 14–109 in Krause DW (ed.) *Vintana sertichi* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. Society of Vertebrate Paleontology Memoir 14. *Journal of Vertebrate Paleontology* 34(6, Supplement).
- 2014 **Hoffmann S**, O'Connor PM, Kirk EC, Wible JR, Krause DW. Endocranial and inner ear morphology of *Vintana sertichi* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar; pp. 110–137 in Krause DW (ed.) *Vintana sertichi* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. Society of Vertebrate Paleontology Memoir 14. *Journal of Vertebrate Paleontology* 34(6, Supplement).
- 2014 Kirk EC, **Hoffmann S**, Kemp AD, Krause DW, O'Connor PM. Sensory anatomy and sensory ecology of *Vintana sertichi* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar; pp. 203–222 in Krause DW (ed.), *Vintana sertichi* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. Society of Vertebrate Paleontology Memoir 14. *Journal of Vertebrate Paleontology* 34(6, Supplement).
- 2012 Varela AN, Poire DG, Martin T, Gerdes A, Goin FJ, Gelfo JN, **Hoffmann S**. U-Pb zircon constraints on the age of the Cretaceous Mata Amarilla Formation, southern Patagonia, Argentina: its relationship with the evolution of the Austral basin. *Andean Geology* 39:359–379.

Presentations

(#denotes student co-authors)

Invited Talks

- 2020 Oklahoma State University, Seminar Series (postponed)
- 2019 American Museum of Natural History, Graduate Seminar Series
- 2018 New York Paleontological Society, Seminar Series
- 2018 Mesozoic Mammal Symposium, Beijing, China
- 2018 Adelphi University, NY, Bio 288 Honors Colloquium
- 2017 Denver Museum of Nature and Science, Earth Science Colloquium
- 2016 Adelphi University, NY, Bio 288 Honors Colloquium
- 2015 Institute for Vertebrate Paleontology and Paleoanthropology, Beijing, China

Podium

- 2019 Skonieczny K#, D'Emic MD, **Hoffmann S**. Cementum analysis in *Coryphodon* using microCT. SICB Regional Meeting, Boston, MA.
- 2019 Skonieczny K#, D'Emic MD, **Hoffmann S**. Do look a gifted *Coryphodon* in the mouth. Northeastern Regional Vertebrate Symposium, New York.
- 2019 Hurdle K, Molnar J, **Hoffmann S**. MicroCT for all. Northeastern Regional Vertebrate Symposium, New York.
- 2019 **Hoffmann S**. Striking convergence in gondwanatherian inner ear morphology. Northeastern Regional Vertebrate Symposium, New York.
- 2019 Groenke JR, Holloway W, Krause DW, **Hoffmann S**, Wible JR, O'Connor PM. The preparation of *Vintana sertichi* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. Association of Materials and Methods in Paleontology.
- 2018 **Hoffmann S**, Shahid R#, Watanabe A, Gill P. Large sampling from Early Jurassic fissure fillings reveals variation in cochlear canal shape in the basal mammaliaform *Morganucodon*. *Journal of Vertebrate Paleontology*, Program with Abstracts:147.
- 2018 **Hoffmann S**. Postcranial Morphology of a new Gondwanatherian Mammal from the Late Cretaceous of Madagascar. Mesozoic Mammal Symposium, Beijing, China.
- 2018 **Hoffmann S**, Shahid R#. Inner ear morphology in the basal mammaliaform *Morganucodon*. Northeastern Regional Vertebrate Evolution Symposium.

- 2018 D'Emic MD, Melstrom KM[#], Pascucci TR[#], and **Hoffmann S**. 2018. Estimating body mass from tooth dimensions in extinct mammals. Northeast Regional Vertebrate Evolution Symposium, Old Westbury, New York.
- 2017 Yohe LR, Rosenthal H[#], **Hoffmann S**, Dávalos LM. Birth-death dynamics reveal how phylogeny and ecology shape the evolution of mammalian vomerolfaction. *Integrative & Comparative Biology* 57:E452.
- 2016 **Hoffmann S**. Inner ear morphology in gondwanatherian mammals and implications for ear evolution in mammaliaformes. The 11th International Congress of Vertebrate Morphology, Bethesda, MD.
- 2016 Yohe, LR, Curtis AA, Rosenthal H, **Hoffmann S**, Martin K, Dávalos-Alvarez LM. The curious case of the vomeronasal organ in bats: genetics asks questions only anatomy can answer. The 11th International Congress of Vertebrate Morphology, Bethesda, MD.
- 2016 Yohe LR, **Hoffmann S**. Vomeronsal structures revealed by diceCT: Genetics asks questions only anatomy can answer. SICB Division of Vertebrate Morphology and Division of Comparative Biomechanics, Boston, MA
- 2015 **Hoffmann S**, Krause DW, Kirk EC. Inner ear morphology in a new Late Cretaceous Malagasy mammal indicates convergence in cochlear evolution. *Journal of Vertebrate Paleontology*, Program with Abstracts:144–145.
- 2014 **Hoffmann S**, Krause DW, Wible JR, Seiffert ER. New insights from the first cranial remains of a gondwanatherian: implications for mammaliaform phylogeny. *Journal of Vertebrate Paleontology*, Program with Abstracts:148.
- 2013 **Hoffmann S**, O'Connor PM, Krause DW. First endocranial reconstruction of a gondwanatherian mammal. *Journal of Vertebrate Paleontology*, Program with Abstracts:143.
- 2012 Krause DW, **Hoffmann S**, Groenke JR. The first cranial remains of a gondwanatherian mammal. *Journal of Vertebrate Paleontology*, Program with Abstracts:123.
- Poster
- 2020 Gonzalez R[#], D'Emic MD, **Hoffmann S**, Adams T, Foreman B. Estimating the mass of the large paleogen mammal *Coryphodon* through Paleogene hypothermal events. Annual meeting of the Geological Society of America Rocky Mountain Section 2020.
- 2020 Randall E[#], D'Emic MD, Foreman BZ, **Hoffmann S**, Sageman I[#], Wilson M. Paleoenvironments containing *Coryphodon* in the Fort Union and Willwood Formations spanning the Paleocene-Eocene Thermal Maximum (PETM), Bighorn Basin, Wyoming. Annual meeting of the Geological Society of America

Rocky Mountain Section 2020.

- 2020 Bowers GW[#], **Hoffmann S**, D'Emic MD. Long bone histology of the large Paleogene mammal *Coryphodon*. Annual meeting of the Geological Society of America Rocky Mountain Section 2020.
- 2020 Sageman I[#], D'Emic MD, **Hoffmann S**, Foreman BZ, Randall E[#], Hurtgen MT. Climatic and paleoenvironmental changes associated with the evolution of the first mammalian megaherbivore *Coryphodon* during Paleogene hyperthermal events, Bighorn Basin, Wyoming. Annual meeting of the Geological Society of America Rocky Mountain Section 2020.
- 2020 Mayback D[#], D'Emic MD, **Hoffmann S**. Using cementum histology to estimate age in *Coryphodon*. Annual meeting of the Geological Society of America Rocky Mountain Section 2020.
- 2020 Skonieczny K[#], D'Emic M, Burk C[#], **Hoffmann S**. Cementum analysis for age estimation in fossil mammals: micro-CT vs histological thin sections. Society for Integrative & Comparative Biology, Austin, Tx.
- 2019 Fakhry L[#], Smith L[#], Pan K, **Hoffmann S**. Semicircular canal morphology in the earliest fossil mammals. STEP Statewide Student Conference, Albany, NY.
- 2018 Fakhry L[#], Smith L[#], **Hoffmann S**. Blood supply to the inner ear in the earliest fossil mammals. STEP Statewide Student Conference, Albany, NY.
- 2018 Krause DW, **Hoffmann S**, Wible JR, Rougier G, Hu Y. Lower jaw morphology of a new gondwanatherian mammal from the Late Cretaceous of Madagascar. *Journal of Vertebrate Paleontology*, Program with Abstracts:117.
- 2018 Shahid R[#], Gill PG, **Hoffmann S**. Inner ear morphology in the basal-most mammaliaform *Morganucodon*. Annual Meeting American Association of Anatomist, San Diego, CA.
- 2018 Shahid R[#], Gill PG, **Hoffmann S**. Variation in inner ear morphology of early mammaliaforms. Society for Integrative & Comparative Biology, San Francisco, CA.
- 2018 Zaransky S[#], Gibilisco M[#], Watanabe A, **Hoffmann S**. Postnatal ontogeny of inner ear morphology in chicken and alligator Society for Integrative & Comparative Biology, San Francisco, CA.
- 2017 **Hoffmann S**, Krause DW, Hu Y. First postcranial skeleton of a gondwanatherian Mammal: Reconstructing Posture and Locomotion. *Integrative & Comparative Biology* 57:E72.
- 2017 Krause DW, **Hoffmann S**, Werning S. 2017. First postcranial remains of multituberculates (Allotheria, Mammalia) from Gondwana. *Journal of Vertebrate*

Paleontology, Program and Abstracts, 2017, 144.

- 2017 Yohe LR, **Hoffmann S**, Dávalos LM. Genetic function of Trpc2 predicts accessory olfactory bulb form in bat vomeronasal evolution. Proceedings of the Annual Meeting of Evolution, Portland, OR P110.
- 2016 **Hoffmann S**, Krause DW, Hu Y. The first postcranial remains of a gondwanatherian mammal. Journal of Vertebrate Paleontology, Program with Abstracts:155.
- 2016 Krause DW, Hu Y, **Hoffmann S**, Groenke JR, Schultz JA, Koenigswald Wv. The bizzare dental morphology of a new gondwanatheroan mammal from the Late Cretaceous of Madagascar. Journal of Vertebrate Paleontology, Program with Abstracts:169.
- 2013 Krause DW, **Hoffmann S**, Nestler JH. The first associated upper dentition of a gondwanatherian mammal. Journal of Vertebrate Paleontology, Program with Abstracts:156–157.
- 2011 **Hoffmann S**, Martin T. Revised phylogeny of Pholidota: implications for Ferae. Journal of Vertebrate Paleontology 31(1 Suppl.):126–127A.
- 2009 **Hoffmann S**, Martin T, Storch G, Rummel M. Skeletal reconstruction of a Miocene pangolin from southern Germany. Journal of Vertebrate Paleontology 29(3 Suppl.):115A.
- 2009 **Hoffmann S**, Martin T, Storch G, Rummel M. Neue Skelettfunde des miozänen Schuppentieres *Necromanis franconica*. Terra Nostra 2009:53.

Awards, Honors, and Fellowships

Research Grants (\$555,826)

- 2019–2020 \$45,725 – **Keck Geology Consortium**, Project co-PI (with MD D’Emic): Body size evolution of the first mammalian megaherbivore during Paleogene hypothermal events
- 2018–2021 \$426,621 – **The National Science Foundation**, Project PI: MRI, Acquisition of a high-energy micro-computed tomography (μCT) scanner for inter and multi-disciplinary STEM research (MRI 18238305)
- 2015–2017 \$16,080 – **The National Science Foundation**, Project co-PI: Dissertation Research: New Cretaceous mammals from Gondwana and their implications for the systematics of Mesozoic Mammaliaformes (DEB 1501497), PI Seiffert
- 2014–2015 \$2,000 – **Society for Integrative and Comparative Biology**, Fellowship of Graduate Student Travel

- 2013–2014 \$1,000 – **Sigma Xi**, Grants-in-Aid of Research
- 2013–2016 \$1,400 –**Stony Brook University**, Graduate Student Organization RAP funding
- 2010–2015 \$63,000 – **Turkana Basin Institute**, Graduate Fellowship

Awards (\$4,480)

- 2016 President’s Award for Excellence in Teaching by a Graduate Student, Stony Brook University (\$1,000)
- 2016 Distinguished Travel Award, Graduate Student Organization, Stony Brook University (\$1,280)
- 2015 Taylor & Francis Award for Best Student Article in the Journal of Vertebrate Paleontology (\$700)
- 2014 Norman Creel Prize for Outstanding Student Research in Anatomical Sciences (\$1,000)
- 2009 Poster Prize, Annual Meeting of the Paläontologische Gesellschaft (\$500)

Teaching Experience

New York Institute of Technology

- 2017–2020 **Course Director** – Academic Medicine Scholars Anatomy Practicum (MMPU 820), semester long, dissection-based human anatomy for 16 D.O./M.S. students.
- 2017–2018 **Guest Instructor** – Advanced Concepts in Neuromusculoskeletal Sciences (MMNM 719), discussion-based seminar for 16 D.O./M.S. students. Course director: M Mihlbachler, K Amsler
- 2016–present **Instructor, Point Person** – Gross Anatomy, Foundations of Osteopathic Medicine (COM 501), semester long, dissection-based human anatomy for ~320 medical students. Includes lectures, laboratory instruction, preparation and grading of written and practical examinations. Teaching Evaluations: 2016: 4/4, 2017:3.9/4; 2018:3.8/4; 2019:3.9/4

Stony Brook University

- 2013–2015 **Graduate Teaching Assistant** – Gross Anatomy of Head, Neck and Trunk (HBA 521), semester long, dissection-based human anatomy for 40–44 dental students (DDS). Included lectures, laboratory instruction, preparation and grading of written and practical examinations. Course director: DW Krause.

Teaching Evaluation: 2013: 4.8/5, 2014: 4.8/5, 2015: 4.98/5

- 2011–2012 **Graduate Teaching Assistant** – The Body, Medical Gross Anatomy (HBA 531), semester long, dissection-based human anatomy for 125 medical students (MD, MD-PhD). Included laboratory instruction, preparation of practical exams, and grading of written exams. Course director: JT Stern. Teaching Evaluation: 2011: 4.6/5, 2012: 4.8/5
- 2013–2015 **Course director** – Women in the Laboratory: Rocks, Fossils, and the Biology of Ancient Life (WSE 187), four week course for 9–12 undergraduate women in science and engineering (WSE). Included complete design of course, lectures, laboratory, and grading. Course director: S Hoffmann, M Borths, N Thompson

University Bonn, Germany

- 2009 **Teaching Assistant** – Dentition of Mammals, semester long course for ~20 undergraduate and Masters degree students in Geology and Paleontology. Included laboratory instruction and grading of exams. Course director: T Martin
- 2008 **Teaching Assistant** – Osteology of Mammals, semester long course for ~20 undergraduate and Masters degree students in Geology and Paleontology, included laboratory instruction and grading of exams. Course director: T Martin

Mentoring

Graduate Students

- 2019–Present Matthew Pelletier, D.O., NYIT, “Cementum histology of *Coryphodon*”
- 2019–Present Raiyan Ali, D.O., NYIT, “Use of microCT in cementum chronology”
- 2019–Present Kristen Skonieczny, D.O./M.S., NYIT, “Body size evolution in the first megaherbivore *Coryphodon*”
- 2019–Present Danielle Wollin, D.O., NYIT, “Sexual dimorphism in vomeronasal morphology in mice”
- 2018–Present Kathrine Pan, D.O., NYIT, “Virtual reconstruction of a gondwanatherian skeleton”
- 2018–2019 Arjun Vidyasgar, D.O., NYIT, “Modeling blood flow to the cochlea in early mammals.”
- 2017–2018 Ramza Shahid, D.O./M.S., NYIT, “Variation in inner ear morphology in early mammals”
- 2017–2018 Sydney Zaransky, D.O., NYIT, “Ontogeny of inner ear morphology”

2017–2018 Monica Gibilisco, D.O., NYIT, “Ontogeny of inner ear morphology”

Undergraduate Students

2019–2020 Richard Gonzalez, B.S. Geology University of Texas, “Estimating Body mass of *Coryphodon*”

2019–2020 Emily Randall, B.S. Geology College of Wooster, “Paleoenvironments containing *Coryphodon* in the Fort Union and Willwood Formations spanning the Paleocene-Eocene Thermal Maximum”

2019–2020 Grant Bowers, B.S. Biology, University of Maryland, “Long bone histology of the large Paleogene mammal *Coryphodon*”

2019–2020 Isaac Sageman, B.S. Earth and Planetary Science, Northwestern University, “Paleoenvironmental changes associated with the evolution of the first mammalian megaherbivore *Coryphodon* during Paleogene hyperthermal events”

2019–2020 Danika Mayback, B.S. Geology, Illinois State University, “Cementum histology of the large Paleogene mammal *Coryphodon*”

2019 Michael Ford, B.S. Geology, Missouri University of Science and Technology, “Pollen from *Coryphodon* sites in the Bighorn Basin”

2015 Arooba Amjad, B.S. Biology, Stony Brook University, research assistant for 1 semester

High School Students

2019 Camden Burk, Northport High School, “Cementum histology in *Coryphodon*”

2017–2019 Lucretia Smith, NYITCOM STEP student, “Blood supply to the inner ear in early mammals”

2017–2019 Latifa Fakhry, NYITCOM STEP student, “Blood supply to the inner ear in early mammals”

2015–2017 Hannah Rosenthal, Smithtown West High School, “Genetics and morphology of the vomeronasal organ”, co-advised by L Yoho (PhD student, Ecology and Evolution, Stony Brook). Long Island Science and Engineering Fair 2016 (3rd place Animal Research)

2013–2015 Samantha DeRosa, Smithtown West High School, “Mammalian Olfaction: Examining morphological and genetic factors in an evolutionary context”, co-advised by L Yoho (PhD, Ecology and Evolution, Stony Brook). Long Island Science and Engineering Fair 2015 (3rd place Animal Research).

Field Experience

- 2019 Eocene, Bighorn Basin, WY, USA. Lead: S Hoffmann and M D’Emic
- 2017 Early Cretaceous, WY/MT, USA. Lead: MD D’Emic.
- 2015 Late Cretaceous, Mahajanga Basin, Madagascar. Lead: D Krause, J Sertich, P O’Connor
- 2012 Late Cretaceous, Mahajanga Basin, Madagascar. Lead: D Krause, J Sertich, P O’Connor
- 2012 Paleogene, Fayum, Egypt. Lead: E Seiffert
- 2011 Eocene, Bighorn Basin, WY, USA. Lead: K Rose
- 2010 Middle Jurassic, Siberia, Russia. Lead: T Martin, A Averianov
- 2009 Middle to Late Jurassic, Turpan Basin, China. Lead: T Martin, O Wings
- 2009 Early Cretaceous, Patagonia, Argentina. Lead: T Martin, F Goin, J Gelfo
- 2008 Eocene, Messel, Germany. Lead: Senckenberg Natural History Museum
- 2008 Oligocene, Frauenweiler, Germany. Lead: T Martin
- 2008 Middle to Late Jurassic (Mapping), Turpan Basin, China. Lead: T Martin, O Wings
- 2007 Marine biology and scientific diving, Elba, Italy. Lead: M Langer, HYDRA
- 2007 Middle Triassic, Winterswijk, Netherlands. Lead: O Dülfer, N Klein
- 2006 Paleozoic to Mesozoic (Mapping), Lodève Basin, France. Lead: M Valdivia-Manchego
- 2005 Paleozoic to Cenozoic (Mapping), Vianden, Luxemburg. Lead: M Valdivia-Manchego

Service

Professional

- Peer Reviewer for: *Science*, *Nature*, *Proceedings of the National Academy of Sciences*, *Trends in Ecology and Evolution*, *Zoological Journal of the Linnean Society*, *PeerJ*, *Fieldiana*, *Acta Palaeontologica Polonica*, *Acta Geologica Sinica*, *Naturwissenschaften*
- 2020 NSF Engineering Ad-hoc Reviewer
- 2020 Graduate Women in Science Grant Reviewer
- 2019–present NSF Bio Panel Reviewer

2018–present	NYIT MicroCT Committee Chair
2017–present	NYIT College of Osteopathic Medicine Academic Senate; Committees: Curriculum Inventory (Ad-hoc committee 2016), Nominations and Elections (2018, 2020), Faculty Engagement Committee (2019)
2016–present	NYIT Radiation and Chemical Safety Committee Member
2011–2015	Treasurer, Evolutionary Biology Discussion Group, Stony Brook University
2009	Student Assistant, 79 th Meeting of Paläontologische Gesellschaft, Bonn, Germany
2009	Student Assistant, 6 th Bone Diagenesis Meeting, Bonn, Germany
2009	Student Assistant, 36 th Annual Meeting of Arbeitskreis Wirbeltiere, Bonn, Germany
2008	Student Assistant, International Workshop/10 th Meeting of Research Unit Sauropod Meeting, Bonn, Germany
2008	Student Assistant, Joint Congress: 12th International Palynological Congress (IPC-XII 2008) / 8th International Organisation of Palaeobotany Conference (IOPC-VIII 2008), Bonn, Germany
2005–2006	Student University Senate Representative, Department of Geology, University of Bonn, Germany
2005–2006	Earth Sciences Senate Student Representative, University of Bonn, Germany
<u>Public</u>	
2017–present	NYITCOM STEP Anatomy Program Instructor. Developed prosection based anatomy course for underrepresented high school students
2007–2010	Museum Educator, Goldfuß-Museum, University of Bonn, Germany
2009	Student Assistant, Georally 2009, Permian Sediments of Katzenstein near Bonn, Germany
2009	Student Intern, Exhibit Design, Senckenberg Natural History Museum, Germany
2009	Student Assistant, Exhibit Design: “Charles Darwin—Geologe auf Weltreise”, Goldfuß-Museum, University of Bonn, Germany
2008	Student Assistant, Georally 2008, Devonian oil shales near Schloß Lerbach, Germany
2008	Student Assistant, Exhibit Design, “Devon im Rheinland—Planzen erobern das Land”, Goldfuß Museum, University of Bonn, Germany

2007 Student Assistant, Georally 2007, 14,000 year old double burial near Oberkassel, Germany

Media Coverage (selected)

“Skeleton of a Cretaceous mammal from Madagascar reflects long-term insularity”:

New York Times, CNN, BBC, MSN, Yahoo, Washington Post, NY Post, USA Today, The Conversation, Daily Mail, Denver Post, El Periodico, Eurekalert, Gizmodo, IFL Science, Mirror, NRC, Perth Now, Phys Org, Reuters, Stern, NTV, and more

“First cranial remains of a gondwanatherian mammal reveal remarkable mosaicism”:

New York Times, National Geographic, Science Magazine, United Press International, Reuters, The Guardian, The Examiner, National Science Foundation, ABC, CNS News, NBC News, Newsday, Science Daily, BuzzFeed, IFLScience, Yahoo, Discovery News, and more

“Endocranial and inner ear morphology of *Vintana sertichi* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar”:

Science Daily, NRC Reader

Professional Memberships

Society of Vertebrate Paleontology (joined 2009)

Society for Integrative and Comparative Biology (joined 2013)

American Association for Anatomy (joined 2017)