

**Current Position:**

Associate Vice President for Research Development

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**Academic Career**

Marshall University:

2023-present Associate Vice President for Research Development  
2013-2023. Director, West Virginia Science Adventures  
2007-2020. Curator of Mammals, West Virginia Biological Survey Museum  
2001-present. Professor, Department of Biological Sciences (adjunct in the School of Medicine)  
1995-2001. Associate Professor, Department of Biological Sciences  
1993-1995. Assistant Professor, Department of Biological Sciences

West Virginia Higher Education Policy Commission:

2020-2023. Associate Director, Science, Technology, and Research for West Virginia  
2020-2023. NSF EPSCoR Education, Outreach, and Diversity Manager

University of California Museum of Paleontology:

2004-present. Research Associate

Duke University Medical School:

1991-1993. Postdoctoral Teaching Fellow, Department of Biological Anthropology and Anatomy

Education:

Certificate. 2021. eCornell, Diversity and Inclusion.  
Ph.D. 1991. SUNY Stony Brook. Biological Anthropology. Advisor: Dr. David Krause, Anatomical Sciences  
B.A. 1984. Hampshire College. Majors: Anthropology & Women's Studies. Advisor: Dr. Debra Martin.

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**Administrative Experience**

2023-present. Associate Vice President for Research Development

Help lead the development of strategic research initiatives that draw on the expertise and experience of faculty and the unique research resources across the university. Create opportunities for faculty to network with funding agencies. Collaborate with academic departments and colleges to facilitate planning for research initiatives. Work with faculty researchers, center/institute directors, deans, and the Office of Grant Development to promote the development and support of multidisciplinary, multi-investigator collaborative research initiatives. Oversee Marshall's grantsmanship and grant review programs. Promote and cultivate successful grant proposal activity, particularly among faculty members who have meaningful, fundable ideas in strategic focus areas for the University. Administer internal grant programs (both for faculty and undergraduates). Oversee the development of online resources and award celebration and PR.

#### 2020-2023. Associate Director of Science and Research

Assists in the preparation of infrastructure proposals of multidisciplinary and interinstitutional teams to NSF including initial concept, writing, editing, and budget preparation, and in project management after the awarding of grants. Develops requests for proposals (RFPs) for state funded grants. Assists in reviewing federal and state-funded research proposals and analyzes scientific merit of proposals. Manages research program activities, develops progress reports, and works to develop new research activities, proposals and awards from federal sources. Searches federal libraries and websites for research opportunities and program announcements to compile grants newsletters for state-wide distribution.

Working with key university constituents (i.e., Vice Presidents of Research and Faculty Investigators) throughout the state on Leadership Teams and Advisory Boards to help manage research grants. Facilitates key central administrative activities for sponsored research programs. Works with state-level government legislative officials to promote science and research funding. Develops industry partnerships that build opportunities and jobs in the state.

Develops and maintains progress on the strategic plan for communication with the Communications Manager. Contributes to communication activities including newsletters, media events, and website content. Responsible for drafting annual reports and assembling support documents and supervises office staff.

#### 2020-2023. EPSCoR Education, Outreach, and Diversity (EOD) Manager

Plans and executes STEM outreach events and publications to meet education, and diversity requirements of the Division's Established Program to Stimulate Competitive Research (EPSCoR) and state grants. Develops progress reports on EOD and workforce development. Helping build equity goals through campus equity/inclusion advisory board development, collecting state-wide diversity demographics, and through pipeline development and oversight.

#### 2020 Spring John Marshall Leadership Fellow

Completed a competitive program that teaches leadership theory and provides development activities related to institutional processes, policies, and decision-making pathways.

#### 2013-present. CEO, West Virginia Science Adventures

Founder and Director of a state-wide K-12 STEAM outreach organization. Running programs in schools, two Science Festivals annually, 9 weeks of summer camps, ACT/SAT prep sessions, homeschool programming, Lego robotics competitive teams, Chess Club, and Saturday Science Club. I have multiple roles within this organization including: guiding vision, strategic planning, hiring, training and assessing staff, developing new programs, managing budget and accounting, writing grants, fund raising, creating public relations strategy, coordinating web site development, and social media campaigns. Currently running camps in four different counties across West Virginia in collaboration with the National Youth Science Foundation.

#### Grant Principal Investigator

PI on 7 (and co-PI on 1) large National Science foundation grants and managing them has given me skills in grant administration, personnel management and assessment, and budget development and management. These include having been PI on 3 research grants, 1 conference grant, 2 undergraduate research equipment grants, and 1 museum/collections improvement award. These NSF grants have included support for shared equipment procurement, basic paleontological and anatomical research, grant development research, neurobiology/data science, museum studies, on-line resources, DEI, and educational STEM outreach.

2007-2020, Member, Chair, Department of Biological Sciences & College of Science, Promotion and Tenure Committee. Regular meetings and mentoring of non-tenured and junior tenured faculty in both teaching and research, mid-tenure and midcareer reviews, faculty development, grant writing review, classroom teaching assessments, and writing letters of support or evaluation of faculty accomplishments.

2007- 2010, 2012-2013, 2018-2020, Member, Department of Biological Sciences, Curriculum Committee. Designing and implementing curricula, long term class scheduling, program assessment, and faculty workload policy development.

*Other (Last 5 years)*

2022-2023 Member, NSF EPSCoR Education, Outreach, and Diversity conference committee

2021-present Co-chair, Undergraduate Research Day at the Capitol

2020-2023 President's Commission on Diversity, Equity, and Inclusion (elected position)

2020-2022 Barriers for African Americans on Campus Research Study Committee

2020-2022 Diversity, Equity, and Inclusion Townhall Committee

2020. Member Interim Chair Search Committee, Biological Sciences

2019-2020, Member, College of Science representative for Faculty Development Faculty Senate standing committee.

2019-2020. Member, University, Faculty Development Committee

2017-2020. Member, Women's Studies Advisory Board

2017-2020. Community Partner, STEM+M Early College High School

2017-2020. Faculty Advisor, Biology Club

2015-2020. Member, Sexuality Studies Steering Committee

2015-2020. Member, Museum Collections Committee

Professional Society Membership

National Organization of Research Development Professionals

Society of Vertebrate Paleontology

Society of Research Administrators International

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**Grants**

Amounts include indirect costs.

*Funded Research Grants*

2023 J. Serafin (PI), S. G. Strait (Co-PI), R. Nelson (Co-PI), N. Spitzer (Co-PI), and U. Reddy (Co-PI), NSF RII Track-1, RII Track 1: West Virginia Network for Functional Neuroscience and Transcriptomics (WV-NFNT) \$20,000,000.

2018 S. G. Strait (PI). John Marshall Summer Scholars Award, *Normalizing Female External Genitalia: Anatomical Diversity*, \$6,500.

2006-2010 S. G. Strait (PI). NSF DBI – Database Activities, *PaleoView 3D: An interactive database of Paleocene/Eocene boundary mammals*, \$532,120.

2011 S. G. Strait (PI). MU Cell Differentiation and Development Center, *New 3D Methods for Quantifying Tooth Wear in Primates*, \$10,000.

2010 S. G. Strait (PI). EPSCoR Opportunities Grant, *Mapping Climate Change Using Mammalian Dental Complexity*, \$6,000.

2010 S. G. Strait (PI). EPSCoR Proposal Preparation Mini-Grants Program, \$5,000.

2010 S. G. Strait (PI). *New 3D Methods for Quantifying Tooth Wear in Primates*. NASA Research Initiation Grant, \$15,000.

- 2008 S. G. Strait (PI). EPSCoR Seed Research Grant, \$3,500.
- 2005 S. G. Strait (PI). EPSCoR Proposal Preparation Mini-Grants Program, \$4,500.
- 2002-2006 S. G. Strait (PI). NSF, Biotic Surveys and Inventories, *Intensive collecting of fossil mammals from an earliest Wasatchian (Wa0) locality in the southeastern Bighorn Basin, Wyoming*, \$258,601.
- 2000 S. G. Strait (PI). EPSCoR Proposal Preparation Mini-Grants Program, \$3,500.
- 1998 S. G. Strait (PI) NASA Research Enhancement Award, *Earliest Mammals of Modern Aspect in North America*, \$5,700.
- 1997 S. G. Strait (PI) EPSCoR Proposal Preparation Mini-Grants Program, \$3,000.
- 1997 S. G. Strait (PI). Career Enhancement Award for WV Women and Minorities in the Sciences *Paleontological excavation of an Earliest Eocene locality in Wyoming*, \$2,300.
- 1993-1996 S. G. Strait (PI) and D. Overdorff (Co-PI). NSF, *Diet and molar microwear in four species of free-ranging Malagasy primates*, \$89,622.
- 1990-1992 S. G. Strait (Student PI) and D. W. Krause (Faculty PI). *Dietary reconstruction in small-bodied fossil primates*. NSF Dissertation Improvement Grant, \$7,967.
- 1990 S. G. Strait (PI) *Dietary reconstruction in small-bodied fossil primates*. L.S. B. Leakey Foundation, \$3,000.

#### *Infrastructure Grants*

- 2023 S. G. Strait (PI) and J. Serafin (Co-PI). Conference: Increasing STEM Grant Capacity Across West Virginia, NSF GRANTED program. \$99,001.
- 2011-2015 S. G. Strait (PI) and T. Pauley (Co-PI). NSF Improvements to Biological Collections, Biological Infrastructure, *West Virginia Natural History Online*, \$373,256.
- 1999-2002 S. G. Strait (PI), M. Norton (Co-PI) and P. Ghosh (Co-PI). NSF CCLI Program, *Quantitative Measurement and Analysis Laboratory for Undergraduate Use at Marshall University*, \$171,121.
- 1996-1999 S. G. Strait (PI), M. Norton (Co-PI) and P. Ghosh (Co-PI). NSF Instrumentation and Laboratory Improvement, *Acquisition of Analytical Scanning Electron Microscope for Undergraduate Education at Marshall University*, \$185,000.

#### *Teaching Grants*

- 2005 S. G. Strait (PI). NSF Research Experience for Undergraduates, \$6,775.
- 1998 S. G. Strait (PI). A.D.A.M. software grant for undergraduate instruction, \$19,000.
- 1997 S. G. Strait (PI). NSF Research Experience for Undergraduates, \$3,299.
- 1996 S. G. Strait (PI). University Equipment Initiative Computerization of Human Anatomy labs, \$30,256.
- 1995 S. G. Strait (PI). NSF Research Experience for Undergraduates, \$4,000.

#### *Outreach Grants*

2022. H. Chirchir (PI) and S. G. Strait (Co-PI). American Association of Anatomy Innovation Program Grant, *Development and Implementation of a High School Training Program in West Virginia*, \$50,000.
2020. Immersive Research Experience for First Generation Students at Marshall N. Norton (PI) S. Strait (Co-PI). \$24,609.39. INCLUDES WV First2 Network Summer Immersion Program (canceled due to COVID).
- 2014 S. G. Strait (PI). West Virginia Higher Education Policy Commission, *Summer STEM Camps at MU*, \$5,000.
- 2014 S. G. Strait (PI). West Virginia Higher Education Policy Commission, *Health and Science Museum Prospectus Development*, \$5,000.

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## Diversity, Equity, and Inclusion Work

### *Certification*

2021 eCornell Diversity and Inclusion certificate program (Certificate ID: ILRDIC01) including classes: Improving Engagement, Counteracting Unconscious Bias, Diversity and Inclusion at Work and, Fostering an Inclusive Climate.

### *University Committees & Advising*

President's Commission on Diversity, Equity, and Inclusion 2019-2023

Barriers for African-American on Campus Research Study Committee 2019-2020 (COVID interrupted)

Campus DEI Townhall Organizing Committee 2019-2023

Women's Studies Advisor Board

Sexuality Studies Steering Committee

Gay Straight Faculty Advisor

### *Professional Service*

WV state-wide working group for first generation immersive experiences

WV state-wide working group for college readiness

Hosting 10 first generation graduating seniors in 2-week immersive summer research and college readiness skills before attending college (2020) (COVID canceled)

### *Diversity Workshops Attended (recent/not exhaustive)*

2022 – Unconscious Bias, Promoting Equity at Work, Inclusive Leadership, Cornell

2021 – Overcoming Resistance to Inclusion in the Workforce, Leading for an Inclusive Culture, Fostering Cross-Cultural Conversations within Work Teams, Promoting Equality at Work, Cornell

2021 – Confronting Unconscious Bias in the Workforce, Inclusive STEM Teaching

2020 – Women and COVID-19 Public Sessions (NASEM) Board of Higher Education and Workforce

2020 – Inclusive Leadership Series: Be an Active Ally (HERS Seminar Series)

2020 - Using Data to Support Student Success and Promote Social Justice (HERS Seminar Series)

2019 – Developing Accessible and Inclusive Research-focused Paleontology Education Lesson Plans for K-12 Classrooms

2019 – Women in Paleontology: A Discussion of Promoting Gender Equality

2019 – Amplify: Managing Microaggressions and Countering Stereotypes against Women and Girls in STEM

2019 – Choosing the Moon: Transforming Science toward Equity and Justice

2018 – West Virginia Coding & Cyber Summit, Charleston WV

2018 – Women and Technology, Charleston WV

2017 – The STEM Blueprint: Driving Innovation on Higher Education, Washington DC

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## Awards & Recognition

### *Internal*

2020 MU Distinguished Artist and Scholar Award

2008, 2015 Hedrick Faculty Award Finalist for outstanding Research and Teaching.

2004 Marshall University Biology Club Outstanding Mentor Award.

1995-2002 Marshall University Faculty Merit Award (2002 last year award offered).

1995-1997 Phi Eta Sigma, National Honor Society, "Fabulous Faculty Member".

1996 Sigma Xi Researcher of the Year Award.

1990, 1991 Norman Creel Prize for Outstanding Student Research in Anatomy, SUNY Stony Brook.

### *External*

- 1996 S. G. Strait (PI). West Virginia Chapter of the Association for Women in Science Career Enhancement Award.
- 1991 Alfred Sherwood Romer Prize for best student presentation, Society of Vertebrate Paleontology.
- 1990 Honorable Mention, Alfred Sherwood Romer Prize for best student paper, Society of Vertebrate Paleontology.

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## **Publications & Presentations**

### *Books*

Strait, S. G. (under contract with Columbia University Press) Forked Penises and Twisted Vaginas: A Natural History of Gonads and Genitalia (final manuscript due date December 2024)

### *Book Reviews*

2010. Advances in Dental Morphology Revisited: Technique and Application in Dental Anthropology. *Journal of Mammalian Evolution* 18(1):71-73.

### *Professional Performance Art*

- 2018. Scientific Sheros (short play I wrote and produced, performed by 15 women scientists about the historic contributions of women in STEM). Marshall University.
- 2017. A Case for Queen Julien. It's More than Talking Animals: Sexual Misidentification in Children's Movies. Marshall University.
- 2013. Penis Unity and Diversity, Body Shots VII, Lady Gag's Secret: A multimedia experience of visual and vocal production. Marshall University.

### *TEDx Presentation*

2021. Communities Rise: West Virginia Mask Army.

### *Web Sites*

WVScienceAdventures.org, state-wide STEM outreach organization I started for grades K-12  
WestVirginiaMaskArmy.com, non-profit I started to make handmade protective gear for medical professionals in West Virginia during the pandemic.

### *Peer-reviewed Book Chapters*

- 2018. Strait, S. G. Dental Morphology, Primates. *The International Encyclopedia of Biological Anthropology* 1-3.
- 2008. Holroyd, P.A. and Strait, S.G. New data on *Loveina* (Primates: Omomyidae) from the early Eocene Wasatch Formation and implications for washakiin relationships, in Elwyn L. Simons: A Search for Origins, *Advances in Primatology* series, Karger Press pp. 243-257.
- 2002. Overdorff, D. J., Strait, S. G., and R. G. Seltzer. Species differences in feeding in Milne Edward's sifakas (*Propithecus diadema edwardsi*), rufus lemurs (*Eulemur fulvus rufus*), and red-bellied lemurs (*Eulemur rubriventer*) in southeastern Madagascar: Implications for predator avoidance. In: *Eat or be Eaten: Predator Sensitive Foraging Among Primates* (L. E. Miller, ed.), pp. 126-137. Cambridge University Press.
- 2001. Strait, S. G. New Wa0 fauna from the southeastern Bighorn Basin. In: P. D. Gingerich (ed.) *Paleocene-Eocene Stratigraphy and Biotic Change in the Bighorn and Clarks Fork Basins, Wyoming*. University of Michigan, *Papers on Paleontology* 33:127-143.
- 2001. Holroyd, P. A., Hutchinson, J. H., and S. G. Strait. Paleocene-Eocene turtle stratigraphy. In: P. D. Gingerich (ed.) *Paleocene-Eocene Stratigraphy and Biotic Change in the Bighorn and Clarks Fork Basins, Wyoming*. University of Michigan, *Papers on Paleontology* 33:97-107.

*Articles in Peer-reviewed Journals (\*students)*

2021. Vitek, N. S., Morse, P. E., Boyer, D. M., Strait, S. G. and J. I. Bloch. Evaluating the responses of three closely related small mammal lineages to climate change across the Paleocene-Eocene thermal maximum. *Paleobiology* 47(3):464-486.
2017. N. S. Vitek, C. L. Manzan, T. Gao, J. I. Bloch, S. G. Strait, D. M. Boyer. Semi-supervised determination of pseudocryptic morphotypes using observer-free characterizations of anatomical alignment and shape. *Ecology and Evolution* 7(14):5041-5055.
2016. Strait, S. G., P. Holroyd, \*Denvir, C. and B. D. Rankin. A unique rodent assemblage from the early Eocene, Washakie Basin, Wyoming. *Paleobios* 33:1-28.
2014. Strait, S. G. Faunivorous Microwear: Implications for diet in the Homini fossil record. *Journal of Human Evolution* 71:87-93
2011. Santana, S., Strait, S. and E. Dumont. The better to eat you with: Functional correlates of tooth structure in bats. *Functional Ecology* 25(4):839-847.
2011. King, S. J. Boyer, D. M., Tecot, S., Strait, S. G., Wright, P. C., and J. Jernval. Lemur habitats and dental senescence in Ranomafana National Park, Madagascar. *American Journal of Physical Anthropology* 73(2):155-172.
2008. \*Smith, N. and S. G. Strait. PaleoView3D: from specimen to online model *Palaeontologica Electronica* 11(2):11A, 1-17.
2008. Strait, S. G. and A. R. Evans. Special Issue: Three-dimensional imaging in vertebrate paleontology. *Palaeontologica Electronica* 11(2):6E.
2008. Heinrich, R., Strait, S. G. and P. Houde. Earliest Eocene Miacidae (Mammalia, Carnivora) from Northwestern Wyoming. *Journal of Paleontology* 82(1):154-162.
2006. Yans, J., Strait, S. G., Smith, T., Dupius, C., Steurbaut, and P. Gingerich. High-resolution carbon isotope stratigraphy and mammalian faunal change at the Paleocene-Eocene boundary in the southern Bighorn Basin, Wyoming. *American Journal of Science* 306:712-735.
2006. Strait, S. G. and \*S. Smith. Elemental analysis of soricine enamel: Pigmentation variation and distribution in *Blarina brevicauda* molars. *Journal of Mammalogy* 87(4):700-705.
2002. Smith, T., Bloch, J. I., Strait, S. G., and P. D. Gingerich. New species of *Macrocranium* (Mammalia, Liptotyphla) from the Earliest Eocene of North America and its biogeographic implications. *Contribution from the Museum of Paleontology, University of Michigan* 30(14):373-384.
2001. Strait, S. G. Dietary reconstruction in small bodied omomyoids. *Journal of Vertebrate Paleontology* 21(2):322-334.
2000. Dumont, E. R., S. G. Strait, and A. Friscia. Abderitid marsupials from the Miocene of Patagonia: An assessment of form, function, and evolution. *Journal of Paleontology* 76(4):1161-1172.
1998. Overdorff, D. J. and S. G. Strait. Seed handling by three prosimian primates in southeastern Madagascar: Implications for seed dispersal. *American Journal of Primatology* 45:69-82.
1998. Strait, S. G. and J. F. V. Vincent. Primate faunivores: Physical properties of prey items. *International Journal of Primatology* 19(5):867-878.
1997. Strait, S. G. Teeth and Food Texture. *Evolutionary Anthropology* 5(6):199-211 (invited paper).
1997. Overdorff, D. J., Strait, S. G., and A. Telo. Seasonal variation in activity, habitat use, and diet in *Haplemur griseus* in the Ranomafana National Park, Madagascar. *American Journal of Primatology* 43:211-223.
1993. Strait, S. G. Molar morphology and food texture among small-bodied faunivorous mammals. *Journal of Mammalogy* 74(2):391-402.
1993. Strait, S. G. Molar microwear in extant small-bodied faunivorous mammals: An analysis of feature density and pit frequency. *American Journal of Physical Anthropology* 96:63-79.
1993. Strait, S. G. Differences in occlusal morphology and molar size between frugivores and faunivores. *Journal of Human Evolution* 25:471-484.
1991. Strait, S. G. Dietary reconstruction in small-bodied fossil primates. Ph.D. dissertation, State University of New York at Stony Brook, 374 pp.
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(4):410-431.

*Peer-Reviewed Published Abstracts (\*students) last 10 years:*

2022. Haupt, R. J. and S. G. Strait. Wild, wonderful, and uninfected: Lessons learned running in-person STEM day camps during a global pandemic in urban and rural West Virginia. *Society of Vertebrate Paleontology Program Guide*, Pp 175.
2020. Vitek, N. S., Boyer, D. M., Strait, S. G., and J. I. Bloch. The phenomic toolkit and paleontology: A case study using Paleogene marsupials. For presentation at the Geological Society of America, Virtual.
2019. Strait, S. G., Lester, L., and J. Cantrell. University outreach serving rural communities: West Virginia Science Adventures K-12 STEM summer camps. *Journal of Vertebrate Paleontology* 36, Supplement to Number 3: 199-200.
2019. Vitek, N. S., Morse, P. E., Boyer, D. M., Strait, S. G., and J. I. Bloch. Community ecological context plays a role in predicting responses of individual species to climate change during the Paleocene-Eocene thermal maximum. For presentation at the Geological Society of America, Phoenix Arizona.
2018. Strait S. G. West Virginia Science Adventures: Fostering STEM Diversity Through University Sponsored Science Festivals. For presentation at the Society of Vertebrate Paleontology 78th Annual Meeting, Albuquerque, New Mexico.
2018. Vitek, N. S.\*, Morse, P. E.\*, Strait, S. G., Boyer, D. M. and J. I. Bloch. Automated Geometric Morphometric Methods As A Component of the Phenomic Toolkit: A Case Study Using Paleogene Peradectids (Mammalia: Marsupialia). For presentation at the Society of Vertebrate Paleontology 78th Annual Meeting, Albuquerque, New Mexico.
2017. Felibert, R. S.\*, Morse, P., Strait, S. G., Boyer, D. M. and J. I. Bloch. Molar size and shape variation in a large sample of *Niptomomys* (Microsypidae, Primates) from the Paleocene-Eocene Thermal Maximum: One species or two? *American Society of Physical Anthropologists annual meeting abstract issue*.
2016. Strait, S. G. West Virginia Science Adventures: A model for service learning and STEAM outreach for rural communities. For presentation at the Society of Vertebrate Paleontology 76th Annual Meeting, Salt Lake City, Utah.
2016. Vitek, N. S.\*, Morse, P. E.\*, Strait, S. G., Boyer, D. M. and J. I. Bloch. Multivariate change in the dental morphology of the small-bodied insectivorous mammal *Macrocranion* (Eulipotyphla, Erinaceomorpha) across the Paleocene–Eocene thermal maximum. *Society of Vertebrate Paleontology 76th Annual Meeting, Salt Lake City, Utah*.
2015. Strait, S. G., The elusive baubellum/baculum: Would you know it if you had a genital bone? For presentation at the Society of Vertebrate Paleontology 75nd Annual Meeting, Dallas, Texas).
2015. \*Vitek, N. S., Manz, C. L., Bloch, J. I., Boyer, D. and S. G. Strait, Differentiating tooth shape using automated three-dimensional geometric morphometrics: testing alignment sensitivity and utility for analyses of small mammals across the Paleocene-Eocene Thermal Maximum. For presentation at the Society of Vertebrate Paleontology 75nd Annual Meeting, Dallas, Texas).
2015. \*Rosenbach, K. L., \*Vitek, N., Manz, C., Bloch, J., Boyer, B. and S. G. Strait, Morphological disparity of insectivores (Mammalia, Eulipotyphla) across rapid environmental changes during the Paleocene-Eocene Thermal Maximum. For presentation at the Society of Vertebrate Paleontology 75nd Annual Meeting, Dallas, Texas).
2015. \*Morse, P., Bloch, J., Yapuncich, G., Boyer, D., and S. Strait. Dental topography and dietary ecology of the first North American euprimates. *American Society of Physical Anthropologists annual meeting abstract issue*.
2014. \*Morse, P., Strait, S., Bloch, J. Boyer, D., and R. Dunn. Primate body size across the Paleocene-Eocene Thermal Maximum. *Journal of Vertebrate Paleontology* 31, Supplement to Number 3: 192.
2014. \* Vitek, N., \*Manz, C., Bloch, J., Boyer, D., and S. Strait. Evolution of small mammals during the



Paleocene-Eocene Thermal Maximum: A case study using automated geometric morphometric methods to quantify tooth shape and size. *Journal of Vertebrate Paleontology* 31, Supplement to Number 3:248-249.

*Professional Presentations (last 5 years):*

2022. Strait, S. G. Gonads: History, Anatomy & Diversity. Keynote Speaker. National Youth Science Camp.
2021. Strait, S. G. Gonads: History, Anatomy & Diversity. Marshall's Artists, Scholars, and Innovators Award lecture series, Marshall University.
2020. Strait, S. G. The dental morphology and dietary data conundrum. International Primatological meeting (Quito Ecuador) (invited symposium speaker) (canceled due to COVID-19).
2019. Strait, S. G. Increasing the Pipeline: West Virginia Science Adventures K-12 STEM Summer Camps. West Virginia Science Teachers Association. Charleston, WV.
2019. Strait, S. G. University outreach serving rural communities: West Virginia Science Adventures K-12 STEM summer camps. Society of Vertebrate Paleontology 79th Annual Meeting, Brisbane, Australia.

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**Teaching**

*Classes taught*

Marshall University

- Human Anatomy (On-line and live), 1993-2023
- Introduction to Biology, 2019
- Museum Display and Outreach Development, 2013-2020
- Mammalogy, Marshall University, 2009-2020
- First Year Seminar, Essential Study Skills, Critical Thinking, and Service Learning, 2017-2019
- Systematics, Marshall University, 2008-2017
- First Year Seminar, Gonads and Genitals in Nature and Culture (Honor's section), 2015
- Vertebrate Museum Collections, 2012-2020
- Introduction to University, 2003-2009
- Digital Morphometrics, 2003
- Scanning Electron Microscopy, 1999-2002
- Functional Morphology, 1998

Study Abroad (all summer unless otherwise noted)

- Ecuador, Field Notes Methodology, 2017
- Ecuador, Field Biology: Galapagos Islands: Beauty, Significance, and Challenge, 2014, 2017
- Ecuador, Field Biology: Tropical Biodiversity and Conservation, 2014, 2017
- Ecuador, People and Cultures of Latin America, Focus on Ecotourism, 2014
- Peru, Introduction to Biological Anthropology, 2016
- Peru, Human Population Biology: Adaptations to High Altitude Living, 2016
- Tanzania, Physical Anthropology of East Africa, 2015
- Tanzania, Natural History, Conservation and Ecotourism, 2015
- Costa Rica, Tropical Ecology: Primate Behavior and Conservation (2011, winter 2012)

Duke University

- Gross Anatomy, (Medical students), 1991-1993
- Comparative Mammalian Dental Morphology, 1992
- Human Evolution in Nature, Pre-college Talent Identification Program, 1992
- Mammalian Evolution, Duke University, 1993
- Comparative Vertebrate Anatomy, Pre-college Talent Identification Program, 1993

SUNY Stony Brook

Introduction to Physical Anthropology, 1990

Laboratory Instructor, Gross Anatomy of the Head, Neck, and Trunk (Dental students), 1989

Laboratory Instructor, Introduction to Physical Anthropology, 1988

Hampshire College

Teaching Assistant, Primate Behavior, NS 252, 1984

*Teaching Workshops*

Putting the Research of Learning into Practice, Fall 2017

Camera Traps and Citizen Science, Summer 2017

Advanced Service Learning, Spring 2013, Fall 2013

First Year Seminar & Critical Thinking, Fall 2013

Quality Matters (On-line teaching), Spring 2013

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**Student Mentoring**

*Direction of Graduate Research*

*Ph.D. committee, outside member*

Tonya Penkrot (2009) Dietary reconstruction in Eocene condylarths (Johns Hopkins University).

Amanda Spriggs (2018), Evolution of lemur pelage color variation (SUNY Albany).

*Ed.D. committee outside member*

Kristy Wood (2012) Factors influencing the decision to go to college for first-generation, Appalachian students.

Mike Adkins (2015) A qualitative study of enabling and constraining factors affecting US military veterans in higher education.

*MA committee member* 8 students

*MS committee member/chair* 43 students

*Direction of Undergraduate Research Independent Studies, Capstones, and Honors Projects* 78 students

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**Service to the Discipline (recent)**

Member, Board of Directors, NASA WV Space Grant Consortium (WVSGC) 2024

PI on NSF conference grant (2023-2024) to study the barriers to grant submission and success in West Virginia 4-year colleges and universities.

Committee chair for the Gregory Award (outstanding service award for the Society of Vertebrate Paleontology) (2015-2022).

Committee member for the Gregory Award (outstanding service award for the Society of Vertebrate Paleontology) (2009-2015).

Forensic identifications for the Huntington Police Department.

Reviewed Textbooks for: McGraw Hill (Human Anatomy), Wm. C. Brown Publishers (Human Anatomy); Wiley (Human Anatomy); Prentice Hall (Physical Anthropology).

Reviewed papers for: Journal of Mammalogy, American Journal of Physical Anthropology, International Journal of Primatology; Journal of Human Evolution, Evolutionary Anthropology, American Journal of Primatology, Palaeontologia Electronica, Southeastern Naturalist, and Paleobiology.

Reviewed research grants for: National Science Foundation, L.S.B. Leakey Foundation, National Geographic, and Natural Environmental Research Council (United Kingdom).

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**Service to the State/Community (recent)**

CEO & Founder: West Virginia Mask Army ([WestVirginiaMaskArmy.com](http://WestVirginiaMaskArmy.com)). Founded a non-profit and organized a state-wide response to the state shortage of PPE gear for healthcare workers which was up and functional within a week in March 2020. I had multiple roles within this organization including: guiding vision, strategic planning, fund raising, creating public relations strategy, coordinating web site development, social media campaigns, designing protective gear, managing supply chain, and organizing 400+ volunteers and 8 state-wide hubs. We produced and distributed over 45K handmade masks in 2 months.

Board of Directors: Huntington Dance Theater 2023-present