

Sep 2017

Corey Michael Maggiano, Ph.D.

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Family's Citizenship: US/German

EDUCATION

- 2012-PhD Department of Anthropology, Ohio State University (Dr. Sam Stout). Dissertation: *Histomorphometry of humeral primary bone: Evaluating the endosteal lamellar pocket as an indicator of modeling drift in archaeological and modern skeletal samples*
- 2005-MS Department of Biology, University of Central Florida (Dr. Tosha Dupras and Dr. Jane Waterman). Thesis: *Confocal laser scanning microscopy as a tool for the investigation of tetracycline fluorescence in archaeological human bone*
- 2002-Hon BA Department of Anthropology (Minor: Biology, Magna cum laude), University of Central Florida (Dr. Tosha Dupras). Undergraduate Thesis: *Ancient Antibiotics: Tetracycline in human and animal bone from the Dakhleh Oasis, Egypt*

ACADEMIC APPOINTMENTS

- 2015-Current Assistant Professor and Director of the Biological and Forensic Anthropology Laboratory (BAFAL), Department of Anthropology, University of West Georgia
- 2014-2017 Adjunct Research Professor, Department of Anthropology, University of Western Ontario
- 2013-2015 Banting Postdoctoral Research Fellow and Adjunct Research Professor, Department of Anthropology, University of Western Ontario
- 2013-2015 Postdoctoral Research Fellow, CIHR Joint Motion Program, Kirkley Centre for Musculoskeletal Research, University of Western Ontario (Pay Declined, 2014-15)
- 2012-2013 Postdoctoral Research Fellow, Department of Anthropology, Department of Earth Sciences, Joint Motion Program, University of Western Ontario

PUBLICATIONS

Peer Reviewed Journal Articles

- 2016 Maggiano I, **Maggiano C**, Clement JG, Thomas CDL, Carter Y, Cooper D. Three-dimensional reconstruction of Haversian systems in human cortical bone using synchrotron radiation-based Micro-CT: Morphology and quantification of branching and transverse connections across age. *Journal of Anatomy*
- 2016 **Maggiano C**, Maggiano I, Tiesler V, Chi-Keb JR, Stout S. Methods and theory in bone modeling drift: Comparing spatial analyses of primary bone distributions in the human humerus. Targeting: *Journal of Anatomy*
- 2015 Maggiano I, **Maggiano C**, Teisler V, Chi-Keb JR, Stout S. Drifting diaphyses: Asymmetry in diametric growth and adaptation along the humeral and femoral length. Targeting: *Anatomical Record*
- 2011 Maggiano I, **Maggiano C**, Tiesler V, Kierdorf H, Stout S, Schultz M. A distinct region of microarchitectural variation in femoral compact bone: Histomorphology of the endosteal lamellar pocket. *International Journal of Osteoarchaeology* 21:743-50
- 2009 **Maggiano C**, Dupras T, Schultz M, Biggerstaff J. Confocal Laser Scanning Microscopy: A flexible tool for polarized light and three-dimensional fluorescence imaging of archaeological compact bone histology. *Journal of Archaeological Sciences* 36:2392-2401
- 2008 Maggiano I, Schultz M, Kierdorf H, Sierra Sosa T, **Maggiano C**, Tiesler V. Cross-sectional analysis of long bones, occupational activities, and long-distance trade of the Classic Maya from Xcambó: Archaeological and osteological evidence. *American Journal of Physical Anthropology* 136(4):470-77
- 2006 **Maggiano C**, Dupras T, Schultz M, Biggerstaff J. Spectral and Photobleaching Analysis using confocal laser scanning microscopy: A comparison of modern and archaeological bone fluorescence. *Molecular and Cellular Probes*. 20(3-4):154-62

Book Chapters

- 2012 **Maggiano C**. Making the mold: A microstructural perspective on bone modeling during growth and mechanical adaptation. In: *Bone Histology: An Anthropological Perspective*. Stout S and Crowder C (eds). New York: CRC
- 2012 **Maggiano C**. Physical anthropology and your world. In: *Introduction to physical anthropology: Anthropology 2200 Laboratory course packet*. Stewart MC and Sadvari JW (eds). Columbus: McGraw-Hill
- 2012 **Maggiano C**. Función de la modelación ósea y su variabilidad durante el crecimiento y la adaptación mecánica. In: *Métodos y Aplicaciones de Histomorfología en Hueso Descalcificado*. Tiesler V (ed.) Ediciones de la Universidad Autónoma de Yucatán Mérida, México

2003 **Maggiano C**, Dupras T, Biggerstaff J. Ancient antibiotics: evidence for tetracycline in human and animal bone from Kellis. In: A.J. Mills and C.A. Hope (eds). *The Dakhleh Oasis Monograph*. Vol 3. Oxford: Oxbow Books. 331-44

Manuscripts in Development

In Prep **Maggiano C**, White C, Longstaffe F. Drinking waters mark roughly a decade of seasonal human bone growth. Targeting: *Nature*

In Prep Alex Leatherdale, **Maggiano C**, White C, Longstaffe F. Intra-individual variation in stable isotopes of carbon and nitrogen measured in collagen across a single section of human diaphyseal bone. Targeting: *American Journal of Physical Anthropology*

GRANTS, SCHOLARSHIPS, AWARDS and other FUNDING **Total: \$255,270**

2017	Outstanding Service Award – College of Social Sciences	\$1,000
2017	Student Research Assistant – BAFAL Education Coordinator	\$1,350
2016	Risk Management Project Excellence Award	
2016	Student Research Assistance Program Funding	\$1,475
2016	Departmental Lab Funding	\$5,400
2016	College of Social Science Lab Funding	\$5,500
2016	Waring Endowment Support for BAFAL Education Coordinator	\$700
2016	Technology Fee Funding	\$4,000
2016	College of Social Science Service Award Nominee	
2015	Research Western Grant for Insight Preparation (Deferred)	\$5,000
2013	Banting Fellowship Award, Ranked 7th of 99	\$140,000
2013	Research Western Research Grant	\$20,000
2013	Faculty of Social Science Research Grant	\$5,000
2013	Anthropology Departmental PDF Funding	\$2,500
2013	Earth Sciences Departmental PDF Funding	\$2,500
2013	Highest Ranked Joint Motion Program Applicant	
2012	Joint Motion Program Postdoctoral Funding	\$20,000
2013	Anthropology Departmental Postdoctoral Funding	\$10,000
2013	Earth Sciences Departmental Postdoctoral Funding	\$10,000
2012	Outstanding Dissertation Award	
2012	Council of Graduate Students Career Development Grant	\$250
2010	National Science Foundation, Doctoral Dissertation Grant	\$8,695
2010	Graduate Teaching Award	\$200
2010	Daniel T. Hughes Memorial Travel Award	\$300
2004	Biological Research Advancement Award	\$1,000
2008-2004	Graduate Studies Travel Award Winner (received three times)	\$2,250
2005-2004	Student Gov. Personal Allocation for Travel Winner (received two times)	\$1,250
2004	FAS Outstanding Presentation in Anthropological Sciences	
2003	Best Undergraduate Honors Thesis	\$1,000
2002	Burnett Honors College's Honors in the Major Scholarship	\$1,000
2002	Florida Society of Microscopy Best Undergraduate Research	\$50
2000	Pi Gamma Alpha Academic Excellence Award	

1997	Honors Scholarship	\$250
1997	UCF Academic Achievement Scholarship	\$5,600

CONFERENCE ACTIVITY

(* indicates presenter)

Symposia Contributions

- 2017 *Sub-seasonal oxygen isotope variations in human bone reflect changes in drinking water.* **Maggiano C**, White C, Stern R, Longstaffe F. Poster accepted by Stable Isotopes and Health Symposium at the AAPA meetings, New Orleans, LA, United States
- 2016 *Longitudinal variation of osteon circularity in three-dimensional reconstructions of Haversian networks.* Maggiano I, **Maggiano C**, Clement J, Thomas D, Cooper D. Poster accepted by Symposium Honoring Sam Stout at the AAPA meetings, New Orleans, LA, United States (Pending)
- 2008 *The endosteal lamellar pocket: Identification of a distinct histomorphological feature of long bones.* **Maggiano C**, Maggiano I, Kierdorf H, Tiesler V, Stout S, Schultz M. Wiley-Liss Symposium Talk, AAPA meetings. Columbus, OH, United States*

Presentations and Posters

- 2016 *Circumferentially drifted osteons: Detailed histology of an unaddressed modeling drift tissue and implications for general histomorphological analyses.* **Maggiano C**, Maggiano I, D. Poster at AAPA (American Association of Physical Anthropologists), Atlanta, GA, United States*
- 2015 *Osteonal repathing: A broader context for the interpretation of type II osteons and bone remodeling vasculature across development.* **Maggiano C**, Maggiano I, Cooper D. Poster at AAPA (American Association of Physical Anthropologists), St. Louis, MO, United States*
- 2014 *Intra-individual variation in stable isotopes of carbon and nitrogen measured in collagen across a single section of human diaphyseal bone.* Leatherdale A, **Maggiano C**, White C, Longstaffe F. Presentation at CAPA (Canadian Association of Physical Anthropology), Fredericton, NB, Canada
- 2014 *Comparing novel point-count and hand-drawn histomorphometric techniques for analyses of primary bone deposits in human diaphyses.* **Maggiano C**, Maggiano I, Tiesler V, Stout S. Poster at CAPA meetings, Fredericton, NB, Canada*
- 2013 *Making the mold: Developmental histology of human primary lamellar bone.* Poster and Presentation for CCTS (Canadian Connective Tissue Society) meetings. Montreal, QC, Canada*

- 2013 *New potential for collecting developmental and seasonal dietary, mobility, and climate data from ancient human long bones: High spatial resolution stable isotopic analysis and the endosteal lamellar pocket.* **Maggiano C** and White C. Poster at AAPA (American Association of Physical Anthropology) meetings. Knoxville, TN, United States*
- 2012 *Visualization and quantification of macroscopic patterning in human primary lamellar bone using novel techniques in stitched polarization microphotography.* **Maggiano C**, Maggiano I, Stout S. Presentation at CAPA meetings. Victoria, BC, Canada*
- 2012 *Quantitative histomorphometry of humeral and femoral diaphyses: A longitudinal comparison of osteon population density and primary bone deposition in eight anatomical regions of interest along the bone shaft.* Maggiano I, **Maggiano C**, Tiesler V, Stout S. Poster at AAPA meetings. Portland, OR, United States*
- 2011 *The endosteal lamellar pocket as an indicator of childhood and adolescent modeling drift direction and magnitude during long bone growth.* **Maggiano C**, Maggiano I, Tiesler V, Stout S. Poster at AAPA meetings. Minneapolis, MN, United States*
- 2011 *Analyzing microscopic variation along the femoral and humeral diaphysis: A histological examination of the ELP as an indicator of long bone modeling drift.* Maggiano I, **Maggiano C**, Tiesler V, Stout S. AAPA meetings. Minneapolis, MN, United States
- 2009 *Quantitative histomorphometric evaluation of the endosteal lamellar pocket: Comparing digital and point-count methods for the measurement of modeling drift remnants in the long bones of adults.* Presentation at AAPA meetings. Chicago, IL, United States*
- 2008 *Two perspectives on occupational activity patterns: Do examinations of entheses and cross-sectional data result in similar physical activity reconstructions?* Maggiano I, **Maggiano C**, Tiesler V, Kierdorf H, Schultz M. AAPA meetings. Columbus, OH, United States
- 2007 *The endosteal lamellar pocket: Histomorphometric analysis of a distinct region of microarchitectural variation in the compact bone of the femur.* Wanner I, **Maggiano C**, Kierdorf H, Tiesler V, Schultz M. Poster at the German Society for Anthropology meeting. Freiburg, Germany
- 2007 *Occupational activity patterns: comparing examinations of cross-sectional geometry and musculoskeletal stress markers as methods for activity analysis.* Wanner I, **Maggiano C**, Tiesler V, Kierdorf H, Sierra- Sossa T, Schultz M. Poster at the German Society for Anthropology meeting. Freiburg, Germany
- 2004 *Ancient antibiotics: Tetracycline in human and animal bone from the Dakhleh Oasis, Egypt.* Florida Academy of Sciences meetings, University of Central Florida. Orlando, FL, United States*
- 2003 *Ancient antibiotics: Tetracycline in human and animal bone from the Dakhleh Oasis, Egypt.* **Maggiano C**, Dupras T, Biggerstaff J. Poster at the AAPA meetings. Tempe, AZ, United States*

- 2002 *The fetal skeletons of Kellis: The isotopic, fluorescent microscopic, and osteometric evidence.* Dupras T, Tocheri M, **Maggiano C**, Molto E. Poster at the AAPA meetings. Buffalo, NY, United States
- 2002 *Ancient Antibiotics: Confocal Laser Scanning Archaeology.* **Maggiano C**, Biggerstaff J, Dupras T. Presentation at the Florida Chapter of the AVS' FMS meeting. Orlando, FL, United States*

INVITED LECTURES

(* indicates presenter)

- 2016 *Connecting biology, behavior, and the environment in a single fragment of human bone.* **Maggiano C.** Biology Department. University of West Georgia, Carrollton, GA
- 2016 *Bone growth and adaptation from an anthropological perspective.* **Maggiano C.** Anthropology Department. Kennesaw State University, Marietta, GA
- 2016 *Skeletal biology in anthropology combining macro- and microscopic perspectives for analysis of cortical bone.* Maggiano I and **Maggiano C.** Max Planck Institute of Colloids and Interfaces, Biomaterials Program, Potsdam, Brandenburg, Germany
- 2015 *Bone growth and development through modeling and remodeling.* Universidad Autonoma de Yucatan, Merida, Mexico UADY paleo-histopathology workshop, Universidad Autónoma de Yucatán. Mérida, Yucatán, Mexico*
- 2014 *Functional multidisciplinary research: strategies for productive and active collaborations.* Western's Bone and Joint Initiative and the Collaborative Program in Musculoskeletal Health Research, Schulich School of Medicine. London, ON, Canada*
- 2013 *Micro-isotopy: High spatial resolution targeting of endosteal primary bone for seasonal scale analyses of diet, geographic relocation, and climate.* Annual Bone and Joint Retreat. London, ON, Canada*
- 2013 *Targeting the endosteal lamellar pocket for seasonal analysis of diet, geographic relocation, and climate from bone fragments.* Laboratory of Stable Isotope Sciences, University of Western Ontario. London, ON, Canada*
- 2012 *Ethical dilemma in population control and family planning.* Bioethics Society, Global Health Initiative. Open to students, faculty, and professionals at the Ohio State University. Columbus, OH, United States *
- 2012 *Human lamellar bone histomorphology and modeling drift analyses.* Anthropology Department, Ohio State University. Columbus, OH, United States*
- 2011 *Outside the osteon: Quantitative histomorphology of femoral and humeral primary bone deposition and its uses in bioarchaeology.* Joint Motion Program and Anthropology Department, University of Western Ontario. London, ON, Canada*

- 2010 *Paleo-histomorphological perspective on the microstructure of bone growth and adaptation.* UADY paleo-histopathology workshop, Universidad Autónoma de Yucatán. Mérida, Yucatán, Mexico*
- 2009 *Comparing modeling drift remnants among several archaeological and modern skeletal population samples.* UADY Paleo-Histopathology Workshop, Universidad Autónoma de Yucatán. Mérida, Yucatán, Mexico*
- 2008 *The application of advanced quantitative microscopy in archaeological sciences.* Advanced Microscopic Techniques Seminar at the Molecular Biology Department, University of Tennessee. Knoxville, TN, United States*
- 2006 *Fluorescence in human and animal bone from the Dakhleh Oasis, Egypt.* Maggiano C, Dupras T, Biggerstaff J. Lecture for the Anatomy Faculty Panel, Georg-August-Universität. Göttingen, Germany*
- 2005 *Confocal laser scanning microscopy as a tool for the spectral identification of tetracycline fluorescence in archaeological human bone.* Maggiano C, Biggerstaff J, Dupras T. Biology Department, Universität Hildesheim, Germany*
- 2005 *Confocal laser scanning microscopy as a tool for the spectral identification of tetracycline fluorescence in archaeological human bone.* Maggiano C, Biggerstaff J, Dupras T. Zentrum Anatomie, Georg-August-Universität. Göttingen, Germany*
- 2005 *Benefits of confocal laser scanning microscopy as a technique for the analysis of archaeological human bone.* Maggiano C, Biggerstaff J, Dupras T. Zentrum Anatomie, Georg-August-Universität. Göttingen, Germany*
- 2004 *Confocal microscopy in archaeology and medical practices in ancient Egypt.* Anthropology Department, University of Central Florida. Orlando, FL, United States*
- 2001 *Paleoanthropology in northern Kenya.* University of Central Florida's Professional Anthropology Fraternity, Alpha Theta Rho. Orlando, FL, United States*

RESEARCH EXPERIENCE

- 2015-Current **Director:** Biological and Forensic Anthropology Lab (BAFAL), University of West Georgia, Carrollton, GA. Image analysis and histomorphometry of human compact bone growth and adaptation.
- 2014-Current **Adjunct Research Professor:** Department of Anthropology, University of Western Ontario. Continuing to develop bioarchaeological and skeletal biological applications for bone histology and isotopic microanalysis through partnerships mentioned below as well as in collaboration with the University of Saskatchewan's, Cooper Lab for 3D Imaging and Synchrotron Science related to bone aging, adaptation and disease.
- 2013-2015 **Banting Postdoctoral Research Fellow and JuMP Trainee:** Bioarchaeology Laboratory, Anthropology Department; Laboratory for Stable Isotopic Science, Earth Sciences Department; Joint Motion Program (JuMP). University of Western Ontario, ON, London,

Canada. Bone histology and isotopic microanalysis (micromill, laser, ion probe) in cooperation with the University of Alberta's Canadian Centre for Isotopic Microanalysis

- 2013-2014 **JuMP Trainee:** Courses and research seminars in skeletal biology, joint health and mobility and clinical research. Partnered training in leadership and management skills, Ivey School of Business' International Centre for Health Innovation. Focused seminars and workshops on Media Skills for Scientific Research, Knowledge Translation, Healthcare in Canada, Transitions from Research to Health Industry, Multidisciplinary Research, Image Integrity in Publications and Job Search Training
- 2012-2013 **Postdoctoral Research Fellow:** CIHR JuMP, Kirkley Centre for Musculoskeletal Research, Schulich School of Medicine; along with joint support from Anthropology and Earth Sciences. University of Western Ontario, London, ON, Canada. Training in skeletal biology, joint disease, mobility and career development in musculoskeletal research science through Ivey Business School's International Center for Health Innovation
- 2010-2012 **NSF Co-Principle Investigator:** Bioarchaeology Laboratory, Anthropology Department. Ohio State University, Columbus, United States. Dissertation Research: Developed and applied two methods for quantification and comparison of bone modeling drift among different sexes and ages, in modern and archaeological populations
- 2010 (4 mo.) **CONACYT Visiting Researcher:** Facultad de Ciencias Antropológicas. Universidad Autónoma de Yucatán, Mérida, Mexico. Workshop assistant and Lecturer. Dissertation research in Osteometrics, sample selection and preparation and reconstruction.
- 2008 (2 wks.) **Visiting Researcher:** Molecular Biology Department, University Tennessee Knoxville, United States. Advanced microscopy, bone microphotography and bioinformatics
- 2007 (2 wks.) **CONACYT Visiting Researcher:** Facultad Ciencias Antropológicas, Universidad Autónoma de Yucatán, Mérida, Mexico. Workshop assistant and Lecturer. Sample preparation techniques and bone histology
- 2006 (3 mo.) **Visiting Researcher:** Zentrum Anatomie. Georg-August-Universität, Göttingen, Germany. Attended courses in gross anatomy, paleopathology and skeletal biology Master's research on histomorphometry and histopathology, training in Multiphoton Microscopy at the International Max Planck Research School for Neurosciences
- 2005 (5 mo.) **Visiting Researcher:** Biological Imaging Facility. University Tennessee, Knoxville, TN. Master's research applying advanced microscopic techniques (confocal laser scanning spectroscopic, deconvolution and epifluorescence microscopy) for analysis of ancient fluorescent tetracycline-like residues in human bone from the Dakhleh Oasis, Egypt
- 2005 (2 mo.) **Visiting Researcher:** Zentrum Anatomie. Georg-August-Universität, Göttingen, Germany. Masters research including histological sample preparation and microscopic analysis of ancient bone. Attended courses in gross anatomy, paleopathology and skeletal biology

- 2003 (1 mo.) **Workshop Participant:** Paleopathology Association Paleohistopathology Workshop, “Differential Diagnosis in Ancient Bone Diseases at the Microscopic Level”, Zentrum Anatomie. Georg-August-Universität, Göttingen, Germany. Anatomical, osteological and histopaleopathological practical laboratory and course work
- 2002 (3 mo.) **Lab Assistant:** University of Central Florida National Center for Forensic Science, Center for Forensic Anthropology Research, Orlando, FL, United States. Stable Isotope sample preparation, human and faunal identification and reconstruction on forensic, historic and pre-historic material

FIELDWORK AND EXCAVATION EXPERIENCE

- 2003 (4 mo.) **Field Researcher:** Dakhleh Oasis, Egypt, Dakhleh Oasis Project. Osteological analysis, cataloging and survey contributing to international study of cultural and biological adaptation to desert environments. Bone excisions made for DNA, isotope and fluorescence analysis
- 2000 (4 mo.) **Student Excavation Supervisor:** Caracol, Belize. Excavation, documentation, drawing, cataloging, site and periphery terrace mapping and survey focusing on residential and rural architecture
- 1998 (4 mo.) **Field School Participant:** Rutgers University Koobie Fora Field School, West Turkana, Kenya. Field courses and field research on hominin evolution, paleo-environmental reconstruction, excavation, survey, faunal osteology, ecology, taphonomy, geology and lithic analysis

TEACHING EXPERIENCE

(In All Cases as Lecturer and Keeper of Record)

University of West Georgia

2017	Capstone	1 Term
2016	Field Methods in Physical Anthropology	1 Terms
2016	Introduction to Physical Anthropology	1 Terms
2016	Forensic Anthropology	1 Term
2016	Human Osteology	1 Term
2016	Primate Husbandry and Outreach Education Training	1 Term
2016	Primate Feeding Ecology and Impact on Sustainable Conservation	1 Term
2015-2016	Introduction to Anthropology	3 Terms
2015	Genes and Genomania: The Biology and Culture of the Molecular Revolution	2 Term

Ohio State University

2011-2012	The Molecular Revolution: Heredity, Genome Mapping and Genomania	2 Terms
2006-2012	Introduction to Physical Anthropology	9 Terms
2009-2012	Culture Conflict and Development	8 Terms
2011	Peoples and Cultures: An Introduction to Cultural Anthropology	1 Term

University of Central Florida

2004	Head Graduate Teaching Assistant, Biology 1 Laboratory, Responsible for supervision of 26 graduate students and 13 Lab Sections	2 Terms
2002-2003	Biology 1 Laboratory, Lecture and Lab Experimentation	6 Terms, 2 Sect. ea.
1998-2004	Writing Consultant, University Writing Center, 1 on 1 and Lecture	3 yrs. discontinuous

MENTORSHIP

2016-2017	Undergraduate Supervisor: Student Research Assistants hired as the BAFAL Education Coordinator to provide open workshops on various topics in anthropology
2015-2017	Undergraduate Mentor: Training and Supervising a consistent group of 15 -20 student and community volunteers in the Biological and Forensic Anthropology Laboratory (BAFAL). Outreach, research, lab safety, workshop development and search and recovery for local law enforcement.
2014	Postgraduate Supervisor: Research project development and guidance for JuMP Summer Research Studentship Awardee. Multidisciplinary research in Skeletal Biology with applications in Archaeology and Forensics through the Laboratory for Stable Isotopic Science
2014	Lab Supervisor: Microscopy facilities for the Laboratory for Stable Isotope Science, Earth Sciences Department. University of Western Ontario, London, ON, Canada
2011-2014	Recommender: Guided and supported applications of 9 previous undergraduates for studies abroad and professional and graduate education programs
2012	Undergraduate Mentor: Trained and supervised 5 student research volunteers in histomorphology, microphotography and image analysis for forensics and bioarchaeology. Bioarchaeology Lab, Ohio State University, OH, United States

TEACHING WORKSHOPS and PROFESSIONAL DEVELOPMENT

University of West Georgia:

Center for Teaching and Learning	5 Modules
Office of Sponsored Research	1 Module
Center for Diversity and Inclusion	2 Modules

University of Western Ontario:

Mitacs	2 Modules
Teaching Support Center	3 Modules
Graduate and Postdoctoral Studies	2 Modules
Graduate Student Association	2 Modules

Ohio State University:

Graduate Studies	7 Modules
Graduate Student Association	4 Modules

University of Central Florida:

Graduate Teaching Association	1 Module
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SERVICE TO PROFESSION

Departmental, Faculty, University Service

2017	Recipient: Summer Professional Development Initiative Support
2016	Co-Lead: Bachelor's Degree curriculum modification (Core F) incorporating formal requirements for a course or courses in statistics, mathematics, or programming and calling for development of an Anthropology Statistics Course.
2016	Principle Applicant: Received approval from the Georgia Board of Regents for " <i>Introduction to Physical Anthropology</i> " to satisfy the Common Core in Area D: Natural Science; a first among all Universities in the University System of Georgia.
2016	Director and Founder: Developed and implemented the <i>Certificate in Forensic Science</i> at the University of West Georgia
2016-2017	Departmental Representative: College of Social Sciences Faculty Council
2015-2016	Director: Biological and Forensic Anthropology Laboratory (BAFAL). University of West Georgia, Carrollton, GA, United States
2015-2016	Faculty Advisor: University of West Georgia Student Anthropology Society. Rewrote and guided implementation of new By-laws in accordance with departmental goals for social, service and academic achievement
2015-2016	Host: Dr. Greg Payne as guest lecturer and workshop leader at BAFAL on the topic of Forensic Entomology.

- 2015-2016 **Council Member:** College of Social Sciences Laboratory Directors Council
- 2014 **Contributor:** Interdisciplinary Research Showcase. University of Western Ontario, London, ON, Canada
- 2014 **Invited Panelist:** SSHRC/NSERC Graduate Scholarship Application Workshop: Western Anthropology Graduate Society. University of Western Ontario, London, ON, Canada
- 2014 **Invited Panelist:** Academic Publishing Workshop: Western Anthropology Graduate Society. University of Western Ontario, London, ON, Canada
- 2014 **Invited Panelist:** Effective Conference Poster and Presentation Workshop. Western Anthropology Graduate Society. University of Western Ontario, London, ON, Canada
- 2014 **Consultant/Contributor:** Molecules, Materials and Mobility - Translational Research in Musculoskeletal Health, Canadian Foundation for Innovation. Grant-work planning regarding facilities and budgets for histology and microscopic preparation and analysis for clinical research in musculoskeletal health.
- 2014 **Module Facilitator:** Co-designed and facilitated practical lab experience for junior JuMP Trainees on mobility and gait research. Fowler Kennedy Sport Medicine Clinic, London, ON, Canada
- 2014-2013 **Annual Invited Panelist:** Banting Postdoctoral Fellowship Application Strategy. Guidance and insight for potential Banting mentors and applicants. School of Graduate and Postdoctoral Services. University of Western Ontario, London, ON, Canada
- 2012 **Lab Designer:** Authored a laboratory exercise for the Ohio State University Introduction to Physical Anthropology Laboratory Course Packet, published by McGraw Hill
- 2010 **Consultant/Contributor:** Grant-work write-up regarding osteometric and histological preparations and analyses performed on the Xcambó and Xoclan skeletal collections. Facultad Ciencias Antropológicas, Universidad Autónoma de Yucatán, Mérida, Mexico
- 2009 **Recommender:** Supported winning faculty member for the University of Central Florida Award for Excellence in Graduate Teaching
- 2006 **Coordinator:** Skeletal biology research and reading group for Graduate Students in the Anthropology program at Ohio State University, Columbus, United States
- 2006 **Consultant/Contributor:** Grant-work write-up regarding the benefits of Confocal and Multiphoton Laser Scanning Microscopy for hard tissue research. Zentrum Anatomie, Georg-August-Universität, Göttingen, Germany
- 2005 **Consultant/Contributor:** Grant-work write-up regarding imaging and biochemical applications in bioarchaeology. Biological Imaging Facility, University Tennessee, Knoxville

Service to the Public and Community Outreach

- 2016-2017 **Supervisor:** Volunteer Day – Brought groups of students and faculty to garden and perform maintenance on a trail system installed by the local branch of the Georgia Native Plants Society
- 2016 **Supervisor:** Center for Diversity and Inclusion Multicultural Fair – Supervised and assisted the anthropology society at their display table
- 2016 **Consultant:** Advised Quitman Co. GA resident regarding her discovery of human remains, followed up with Quitman Sherriff’s office and Local Coroner in consultation with Carroll County Coroner (did not directly influence investigation or serve as an expert witness)
- 2015 **Consultant:** Advised Gray Co. Sheriff’s Office regarding the discovery of reported unidentified Human remains (did not directly influence investigation or serve as an expert witness)
- 2015 **Host:** Dr. Vera Tiesler as the Antonio J. Waring Endowment for Student Research and Scholarship Invited Public Lecturer on the topic: "Growing Up Maya, Artificial Head Shaping, Embodiment and Social Identities "
- 2014-2011 **Founder:** Philosophy of Evolutionary Discussion Group. 40 member discussion group addressing wider context of evolutionary theory in philosophy, spirituality and culture
- 2013 **Session Moderator:** Connective Tissues and Disease Session at the Annual Canadian Calcified Tissues Society, Montreal, Que, Canada
- 2013 **Interviewee:** Postdoctoral Scholars Join Banting Fellowship - Western News
- 2012 **Participant:** Baqil Ch’upikaq (Bone Rainbow). Microphotographic submission for the Art in Science Gallery Exhibition.
- 2012 **Interviewee:** Several career programs for elementary and high school students interested in careers in science and research
- 2012 **Presenter:** Local elementary school outreach event for young Anthropologists. Lecture and practical stations
- 2012 **Participant:** Chronic Pain Management Workshop, Arthritis Society of London Awareness and Fundraising
- 2002 **Founder:** Anthropos Logos. Open forum community discussions on Anthropology focusing on controversial social science and its relation to the policy landscape

- 2002 **Assistant:** Survey and mapping of gravesites and boundaries in an historic Orlando cemetery using ground penetrating radar and ground probing.
- 2001 **Event Assistant:** Pig Dig 2001. Aided faculty, local police and news crews during a community forensic archaeology simulation
- 1999 **Founder:** Hillcrest Elementary Afterschool Anthropology Program. Organized 12 participating undergraduate anthropology students who led children in activities ranging from simulated excavation to multicultural and multilingual awareness
- 1998 **Presenter:** African Animals and Dead Stuff. Alderson Elementary School show and tell on Ecology and Anthropology in Kenya

Reviews Provided for Professional Publishers (18)

- 2016 Medical Science Monitor
- 2014-2016 Journal of Forensic Science x4
- 2014-2017 American Journal of Physical Anthropology x2
- 2014 Journal of Comparative Human Biology
- 2014 Computers in Biology and Medicine
- 2013-2014 Journal of Human Evolution x2
- 2013-2016 Journal of Anatomy x2
- 2012-2013 International Journal of Osteoarchaeology x2
- 2012 Pearson, Primate Ethnology
- 2012 Pearson, MyLab WebEx focus group
- 2012 McGraw Hill, Introduction to Biological Anthropology Textbook

Professional Memberships

- 2012-2014 Canadian Association of Physical Anthropology
- 2012-2013 **Connective Tissues and Disease Session Moderator:** Canadian Calcified Tissues Society
- 2002-2017 American Association of Physical Anthropology
- 2002-2017 Microscopy Society of America
- 2002-2017 Paleopathology Association (non-consecutive)
- 2002-2003 Central Florida Archaeology Society
- 2001-2002 Phi Sigma Pi National Honors Organization
- 2001-2002 **Founder and Vice President:** Alpha Theta Rho Professional Anthropology Fraternity
- 1999-2001 **Vice President:** Pi Gamma Alpha Professional Anthropology Fraternity
- 1999-2000 Golden Key National Honors Society