

MICAYLA C. SPIROS

- MICAYLASPIROS.COM •
- SPIROSMI@MSU.EDU •

EDUCATION

- Present MICHIGAN STATE UNIVERSITY
Ph.D. Anthropology
Dissertation Topic: “Biocultural Dynamics of Postcranial Skeletal Variation: A Focus on Ontogeny, Socioeconomic Status, and Population History”
Chair: Dr. Joseph T. Hefner
Committee: Dr. Masako Fujita, Dr. Todd Fenton, Dr. Maureen Schaefer
GPA: 3.95
- 2016-2017 UNIVERSITY COLLEGE LONDON – INSTITUTE OF
ARCHAEOLOGY
M.Sc. Bioarchaeology and Forensic Anthropology
Thesis: “The Utility of Postcranial Nonmetric Traits in Ancestry Analysis”
Advisors: Dr. Carolyn Rando, Dr. Tony Waldron, Dr. Simon Hillson
- 2012-2016 MIAMI UNIVERSITY
B.A. Anthropology
Minor: Criminology

PUBLICATIONS (* peer reviewed)

- 2021 *Spiros MC, Plemons AM, Biggs JA. Pedagogical Access and Ethical Considerations in Forensic Anthropology and Bioarchaeology. *Science and Justice*. In Progress. [Accepted]
- 2020 *Dunn RR, Spiros MC, Kamnikar KR, Plemons AM., & Hefner JT. (2020). Ancestry estimation in forensic anthropology: A review. *Wiley Interdisciplinary Reviews: Forensic Science*, e1369.
- 2020 *Spiros MC & Hefner JT. (2020). Ancestry estimation using cranial and postcranial macromorphoscopic traits. *Journal of Forensic Sciences*, 65(3), 921-929.
- 2019 *Spiros MC. (2019). Standardization of postcranial nonmetric traits and their utility in ancestry analysis. *Forensic Anthropology*, 2(1), 29.

BOOK CHAPTERS (*peer reviewed)

In Press Kamnikar KR, Plemons AM, Spiros MC, Hefner JT. Estimación de la ancestría utilizando características morfológicas. In: Quinto-Sánchez M, Gomez-Valdés J, eds. Avances en Antropología Forense. México City: Universidad Nacional Autónoma de México.

DIGITAL OUTREACH

- 2021 Spiros MC. 3DMMS Initiative. [Website] <http://3dmms-initiative.com/>
- 2021 Spiros MC. “Digital Pedagogy | Disseminating Accessibility” The Cultural Heritage Informatics Initiative. Feb 24. [Blog] <http://chi.anthropology.msu.edu/2021/02/digital-pedagogy-disseminating-accessibility/>
- 2021 Spiros MC. “Standardization of postcranial nonmetric traits and their utility in ancestry analysis.” Forensic Anthropology Journal Companion Podcast. Feb 10. Editors: Michael Kenyhercz. [Podcast] https://open.spotify.com/episode/2VqWTKY3cLlo25lJSS8Kzn?si=eoO6LSVBRAW32kmnVzh_OA
- 2020 Plemons AM, Spiros MC, Dunn RR, Kamnikar KR, Goots AC. “Ancestry Estimation Reflection” Michigan State Forensic Anthropology Laboratory. Dec 16. [Blog] <http://msufal.anthropology.msu.edu/2020/12/16/ancestry-estimation-reflection/>
- 2020 Spiros MC. “Student Spotlight: Kelly Kamnikar” Michigan State Forensic Anthropology Laboratory. Dec 4. [Blog] <http://msufal.anthropology.msu.edu/2020/12/04/student-spotlight-kelly-kamnikar/>
- 2020 Spiros MC. “Fellowship through Coding | Make Mistakes & Ask Questions” The Cultural Heritage Informatics Initiative. Nov 30. [Blog] <http://chi.anthropology.msu.edu/2020/11/fellowship-through-coding-make-mistakes-ask-questions/>
- 2020 Spiros MC. “Alumni Spotlight: Dr. Angela Soler” Michigan State Forensic Anthropology Laboratory. Nov 18. [Blog] <http://msufal.anthropology.msu.edu/2020/11/18/dr-angela-soler/>
- 2020 Spiros MC. “Ethics in Virtual Osteology | What Should We Be Considering?” The Cultural Heritage Informatics Initiative. Oct 27. [Blog] <http://chi.anthropology.msu.edu/2020/10/ethics-in-virtual-osteology-what-should-we-be-considering/>

- 2020 Spiros MC, Kamnikar KR, Plemons AM. “Talking with skeletons.” The Sci-Files Podcast. June 21. Editors: Boodoo C, Puentes D. [Podcast]
<https://impact89fm.org/89746/podcasts/the-sci-files-06-21-2020-amber-kelly-micayla-talking-with-skeletons/>
- 2020 Spiros MC. “Alumni Spotlight: Dr. Julie Fleischman” Michigan State Forensic Anthropology Laboratory. Mar 25. [Blog]
<http://msufal.anthropology.msu.edu/2020/03/25/dr-julie-fleischman/>
- 2020 Spiros MC. “Student Spotlight: Mari Isa” Michigan State Forensic Anthropology Laboratory. Feb 26. [Blog]
<http://msufal.anthropology.msu.edu/2020/02/26/student-spotlight-mari-isa/>
- 2020 Spiros MC. “A Semester in Review” Michigan State Forensic Anthropology Laboratory. Jan 8. [Blog]
<http://msufal.anthropology.msu.edu/2020/01/08/fall-19-review/>
- 2019 Spiros MC. “Student Spotlight: Rhian Dunn.” Michigan State Forensic Anthropology Laboratory. Dec 19. [Blog]
<http://msufal.anthropology.msu.edu/2019/12/19/student-spotlight-rhian-dunn/>

GRANTS & AWARDS

- 2021 Department of Anthropology Fellowship (Stipend + Full Tuition Waiver)
 Michigan State University
- 2021 Forensic Sciences Foundation ‘20-‘21 Student Travel Grant Award (\$150)
 American Academy of Forensic Sciences
- 2020 Anthropology Travel-Training Research Award- Fall & Spring (\$2,000)
 Michigan State University
- 2020 Department of Anthropology Fellowship (Stipend + Full Tuition Waiver)
 Michigan State University
- 2020 Council of Graduate Students Working-Remotely Technology Award (\$50)
 Michigan State University
- 2020 Graduate Student Research Award (\$500)
 Michigan State University– College of Social Science
- 2020 Forensic Sciences Foundation ‘19-‘20 Student Travel Grant Award (\$150)
 American Academy of Forensic Sciences
- 2019 Anthropology Travel-Training Research Award- Fall & Spring (\$800)
 Michigan State University
- 2019 Anthropology Travel-Training Research Award- Summer (\$1,000)
 Michigan State University
- 2019 Department of Anthropology Fellowship (Stipend + Full Tuition Waiver)
 Michigan State University

- 2018 Travel-Training Research Award- Fall & Spring (\$1,100)
Michigan State University
- 2018 Department of Anthropology Fellowship (Stipend + Full Tuition Waiver)
Michigan State University
- 2016 Senior Service Leadership Award
Miami University, Ohio
- 2016 Outstanding Criminology & Sociology Minor Award
Miami University, Ohio
- 2016 J. Oliver Amos Scholarship-Spring (\$1,500)
Miami University, Ohio
- 2015 J. Oliver Amos Scholarship-Fall (\$1,500)
Miami University, Ohio
- 2015 RedHawk Excellence Scholarship- Spring (\$1,750)
Miami University, Ohio
- 2015 Miami Success Grant-Spring (\$1,500)
Miami University, Ohio
- 2015 J. Oliver Amos Scholarship-Spring (\$1,500)
Miami University, Ohio
- 2014 Lois A. Theis Luxembourg Scholarship- Fall (\$1,000)
Miami University Dolibois European Center
- 2014 Susan Ray Woodworth Scholarship- Fall (\$1,400)
Miami University Dolibois European Center
- 2014 RedHawk Excellence Scholarship-Fall (\$1,750)
Miami University, Ohio
- 2014 Miami University J. Oliver Amos Scholarship-Fall (\$1,500)
Miami University, Ohio
- 2014 Miami Success Grant-Fall (\$1,500)
Miami University, Ohio
- 2014 Miami Success Grant-Spring (\$1,500)
Miami University, Ohio
- 2014 RedHawk Excellence Scholarship- Spring (\$1,750)
Miami University, Ohio

CONFERENCE PRESENTATIONS

- 2021 Reporting Biases between Missing Persons and Unidentified Persons in the U.S.
Spiros, Micayla C.; Kamnikar, Kelly R.
73rd Annual Meeting of the American Academy of Forensic Sciences; Virtual

- 2020 Eye Tracking to Assess Decision-Making in Cranial Macromorphoscopic Trait Evaluation: Implications of Education and Training in Method Application
Spiros, Micayla C.; Nakhaeizadeh, Sherry; Morgan, Ruth M.; Thompson, Tim; Hefner, Joseph T.
72nd Annual Meeting of the American Academy of Forensic Sciences; Anaheim, CA
- 2020 The Use of Eye Tracking Technology in Forensic Anthropology: An Empirical Approach to Advancing the Understanding of Complex Visual Tasks in Cranial Macromorphoscopic Trait Evaluations
Nakhaeizadeh, Sherry; Spiros, Micayla C.; Morgan, Ruth M.; Thompson, Tim; Hefner, Joseph T.
72nd Annual Meeting of the American Academy of Forensic Sciences; Anaheim, CA
- 2019 Ancestry Estimation Using Cranial and Postcranial Macromorphoscopic Traits
Spiros, Micayla C.
71st Annual Meeting of the American Academy of Forensic Sciences; Baltimore, MD
- 2019 The Frequency and Distribution of Drug Research Across the American Journal of Physical Anthropology: Does Drug Use Affect Skeletal Biology?
Spiros, Micayla C. and Hayden S. Mckee
88th Annual Meeting of the American Association of Physical Anthropologists; Cleveland, OH
- 2019 The Combination of Cranial and Postcranial Macromorphoscopic Traits and Their Utility in Ancestry Estimation
Spiros, Micayla C.
4th Annual Graduate Student Association Graduate Research Symposium; East Lansing, MI
- 2018 Ancestry Estimation Using Cranial and Postcranial Macromorphoscopic Traits
Spiros, Micayla C.
7th Annual Meeting of the Forest, Lakes, and Grasslands (FLAG) Anthropologists Meeting; Roscommon, MI
- 2018 The Utility of Postcranial Nonmetric Traits in Ancestry Analysis
Spiros, Micayla C. and Carolyn Rando
70th Annual Meeting of the American Academy of Forensic Sciences; Seattle, WA

- 2017 *Standardisation of Postcranial Nonmetric Variations*
Spiros, Micayla C.
 University College London Society of Archaeological Masters Students
 Conference; London, UK
- 2016 *Sexual Violence Against Intimate Partners*
Spiros, Micayla C.
 22nd Annual Miami University Undergraduate Research Forum; Oxford, OH
- 2016 *A Guide to Undergraduate Archaeological Field Schools: Benefits of Going
 and How to Get There*
Spiros, Micayla C.
 22nd Annual Miami University Undergraduate Research Forum; Oxford, OH
- 2015 *Three-Dimensional Scanning and Printing in Undergraduate Archaeology
 Education*
 Card, Jeb J.; Spiros, Micayla C.; Loomis, Sarah
 80th Annual Meeting of the Society for American Archaeology; San Francisco,
 CA
- 2015 *The Relationship between Juvenile Females and Serial Murder*
Spiros, Micayla C.
 21st Annual Miami University Undergraduate Research Forum; Oxford, OH
- 2014 *Archaeological Education Techniques Using Three-Dimensional Imaging
 Technology*
Spiros, Micayla C.
 20th Annual Miami University Undergraduate Research Forum; Oxford, OH

TEACHING EXPERIENCE

- 2021-Present Anthropology Department Online Course Coordinator
 Michigan State University— Department of Anthropology
- 2020 ANP 203: Introduction to Archaeology (Online—Summer)
 Instructor
 Michigan State University— Department of Anthropology
- 2020 ANP 441: Osteology and Forensic Anthropology (Spring)
 Lab Instructor & Teaching Assistant for Dr. Carolyn Isaac
 Michigan State University— Department of Anthropology
- 2019 ANP 200: Navigating Another Culture (Online—Fall)
 Teaching Assistant for Dr. Adán Quan
 Michigan State University— Department of Anthropology

- 2019 ANP 200: Navigating Another Culture (*Online—Summer*)
 Teaching Assistant for Dr. Adán Quan
 Michigan State University— Department of Anthropology
- 2018 ANP 206: Introduction to Physical Anthropology (*Fall*)
 Teaching Assistant for Dr. Joseph Hefner
 Michigan State University— Department of Anthropology
- 2016 ATH 155: Introduction to Anthropology (*Spring*)
 Teaching Assistant for Dr. Nancy Worthington
 Miami University— Department of Anthropology
- 2015 ATH 175: Peoples of the World (*Spring*)
 Teaching Assistant for Dr. Mark Peterson
 Miami University— Department of Anthropology
- 2014 ATH 212: Introduction to Archaeological Theories and Methods (*Spring*)
 Teaching Assistant for Dr. Jeb Card
 Miami University— Department of Anthropology

RESEARCH & FIELD EXPERIENCE

- 2021 Federal Bureau of Investigation Operation United
 Forensic Archaeology & Anthropology Volunteer
- 2021-2022 Senior Cultural Heritage Informatics Fellow
 Michigan State University
 Focused on workshops and collaborative development work and technical experimentation, the overall organizational focus of the fellowship is the development of a significant and innovative digital cultural heritage project.
- 2020-2021 Michigan State University Forensic Anthropology Lab Manager
 Michigan State University
 Manage administration of forensic cases from case file creation through disposition. Respond to cases at local morgues. Respond to requests for field searches and/or recoveries. Communicate with Medical Examiner Offices to process evidence and documentation (ME Investigator Reports & Police Reports). Skeletal preparation.
- 2020-2021 Cultural Heritage Informatics Fellow
 Michigan State University
 Focused on workshops and collaborative development work and technical experimentation, the overall organizational focus of the fellowship is the development of a significant and innovative digital cultural heritage project.

- 2019 Forensic Anthropology Internship for Dr. Jennifer Love
District of Columbia— Office of Chief Medical Examiner
Two-month internship working on forensic anthropological casework: trauma analyses, full skeletal analyses, pediatric skeletal analyses, comparative radiographic reports, cold case reviews, NAGPRA repatriation, NamUs data/DNA submissions.
- 2019 London Cranial Macromorphoscopic Research
Museum of London (MOL)— London, England
Collection of MMS data in collaboration with Dr. Rebecca Redfern & Dr. Joseph Hefner.
- 2019 Research Assistant for Dr. Joseph Hefner
Michigan State University— Department of Anthropology
Project: NIJ Solicitation— Research and Development in Forensic Science for Criminal Justice Purposes, Fiscal Year 2019.
- 2018-Present Michigan State Forensic Anthropology Laboratory (MSUFAL)
Michigan State University
Assist with human forensic anthropological case analyses in a medicolegal setting. Radiographic identification, tissue processing, and biological profile establishment.
- 2015-2016 Research Assistant for Dr. Kristen Budd
Miami University— Department of Sociology
Project: “Sexual Violence against Intimate Partners”
- 2015-2016 Research Assistant for Dr. Melissa Rosenzweig
Miami University— Department of Anthropology
Project: “A Guide to Undergraduate Archaeological Field Schools: Benefits of Going and How to Get There”
- 2015 Excavation Team Member
Maya Research Program— Blue Creek, Belize
Excavation and Bioarchaeology & Osteology Course
Advisor: Dr. Katherine Miller Wolf
- 2014-2015 Research Assistant for Dr. Jeb Card
Miami University— Department of Anthropology
Project: “Three-Dimensional Scanning and Printing in Undergraduate Archaeology Education”
- 2014-2015 Research Assistant for Dr. Glenn Muschert
Miami University— Department of Sociology
Project: “Could It Happen Here? Moral Panics, School Shootings, and Fear of Crime among College Students”

AFFILIATIONS

- 2018- Present American Association of Forensic Sciences (AAFS)
Student Member
- 2018- Present American Association of Biological Anthropologists (AABA)
Student Member
- 2018-Present American Anthropological Association (AAA)
Student Member
- 2018- Present Michigan State University Council of Graduate Students (COGS)
Full Member
- 2018- Present Graduate Women in Science– Mu Sigma Chapter (GWIS)
Full Member

SERVICE

- 2021-Present Georgian Recovery, Documentation, and Identification Project
Website Design & Forensic Anthropology Volunteer
- 2021-Present Outreach/Engagement, Retention, Recruitment Ad Hoc Committee
Committee Member– Forensic Anthropology Community Website
- 2020-Present Outreach/Engagement, Retention, Recruitment Ad Hoc Committee
Committee Member– Decolonizing/Diversifying Course Materials
- 2020-Present Forensic Anthropology Journal
Director of Social Media & Marketing
- 2020- 2021 Michigan State University Graduate Student Association in Anthropology
President
- 2020-2021 Michigan State University Graduate Hearing Board
Anthropology Department Representative
- 2020 5th Annual Michigan State University Graduate Association Research
Symposium
Conference Organizer & Moderator
- 2019-Present Michigan State University Forensic Anthropology Laboratory
Social Media Manager
- 2019-2020 Michigan State University Graduate-Professional Judiciary (UGPJ)
Committee Member for Appellate Case Reviews
- 2019-2020 Michigan State University Graduate Student Association in Anthropology
Information Officer/Council of Graduate Students Representative

- 2019 4th Annual Michigan State University Graduate Association Research Symposium
Moderator
- 2019 University College London “Trial by Fire” –Institute of Archaeology
Conference Manager
- 2019-2020 Michigan State University Graduate Student Association in Anthropology
Council of Graduate Students Alternate Representative
- 2017 University College London “Stressed Out– Debunking the stress myth in the study of archaeological human remains” –Institute of Archaeology
Conference Volunteer
- 2016-Present Forensic Anthropology Journal
Reviewer

ATTENDED WORKSHOPS

- 2020 Science Communication– Visual Science Storytelling
Society for Canadian Women in Science and Technology
Host: Sara Elshafie
- 2020 Science Communication– Engaging Broad Audiences
Society for Canadian Women in Science and Technology
Host: Sara Elshafie
- 2020 Crafting a Diversity Statement
Michigan State University
Host: Kayon Hall
- 2020 Writing Your Data Management Plan
Michigan State University
Host: Scout Calvert
- 2019 Vicarious Trauma: A Human Capital Perspective Training
District of Columbia Office of Chief Medical Examiner (OCME) & Department of Forensic Sciences (DFS)
Host: Kayce Simmons-Munyeneh
- 2018 Introduction to Reproducible Research
Michigan State University; Center for Statistical Training and Consulting
Host: Dr. Dhruv Sharma
- 2018 Macromorphoscopic (MMS) Traits: Data Collection and Analysis
American Academy of Forensic Sciences Annual Meeting in Seattle, WA.
Hosts: Dr. Joseph T. Hefner, Amber M. Plemons, and Kelly R. Kamnikar

PUBLIC ENGAGEMENT & OUTREACH

- 2021 Michigan High School Outreach Program— Bay-Arenac ISD Career Center
Michigan State University Forensic Anthropology Laboratory
Forensic Anthropology Lecturer
- 2020 Darwin Discovery Day
Michigan State University Museum
Forensic Anthropology Volunteer
- 2020 Michigan High School Outreach Program— Bay-Arenac ISD Career Center
Michigan State University Forensic Anthropology Laboratory
Forensic Anthropology Lecturer
- 2019 Darwin Discovery Day
Michigan State University Museum
Forensic Anthropology Volunteer
- 2019 Forensic Archaeology Field School
Michigan State Police
Volunteer Excavation Instructor
- 2018 ANP 489 Senior Capstone Graduate School Panel
Michigan State University
Invited Discussant
- 2018 National Fossil Day
Michigan State University Museum
Human Evolution Volunteer

SKILLS, INSTRUMENTS, & SOFTWARE EXPERIENCE

- Macromorphoscopic Traits (MMS) v.1.61
- Combo MaMDAnalytical v.0.1
- MaMDAnalytical v.0.3.14
- Transition Analysis 3.0
- Osteoware 2.4
- Fordisc 3.0
- Microscribe Digitizer
 - 3Skull 2.0
- Programming languages (HTML, CSS, JavaScript, PHP)
- “R” Statistical Environment
- Blender 2.91
- 3D Slicer 4.11
- NextEngine Desktop 3D Scanner
 - ScanStudio™ Software
 - MeshLab v.1.3.2

REFERENCES

Available upon request

October 2021