

CURRICULUM VITAE

PERSONAL INFORMATION

Name: **Dayanira Lopez, M.S.**
Doctoral Student
Department of Anthropology
University of Nevada, Las Vegas

Personal Address: 5574 Berchmans Avenue
Las Vegas, NV 89122

Email: lopezd59@unlv.nevada.edu

Telephone: (561) 632-4645 (MOBILE)

EDUCATION

- August 2021 – present Doctor of Philosophy, Anthropology within the subfield of
Biological Anthropology
Advisor: Jennifer Byrnes, Ph.D.
University of Nevada, Las Vegas
- December 2018 Master of Science, Forensic Studies with a
Human Identity and Trauma Analysis concentration
Master's Thesis: *The Effects of Hydrochloric Acid on Human and
Sus scrofa Remains: Evidence of Preferential Destruction to the
Head and Extremities*
Advisor: Heather Walsh-Haney, Ph.D.
Florida Gulf Coast University
- December 2014 Bachelor of Science, Forensic Studies *with Honors*
Florida Gulf Coast University
- December 2014 Bachelor of Arts, Psychology *with Honors*
Minor: Theatre
Florida Gulf Coast University
- May 2012 Associate of Arts
Florida Gulf Coast University

RESEARCH INTERESTS

Fragmentary human osteology; Forensic anthropology; Physical anthropology; Bioarchaeology; Paleopathology; Skeletal pathology; Archaeology field methods; Latin American studies; Human rights; Genocide; Structural violence; Structural vulnerability; Diversity in crime analysis and academia; Sexual dimorphism; Axial skeletal deformities; Trauma analysis; Postmortem change in human remains; Forensic science; Taphonomy; Skeletal manifestation of achondroplasia; Osteoarthritis; Juvenile osteology; Underwater archaeology; 3D technology advancements in forensic anthropology; Curation and preservation of human remains; Disability and Impairment.

SPECIAL SKILLS

Skeletal Analyst	Analyze, inventory and curate the fragmentary skeletal remains of the Gauthier collection, following the guidelines set forth by NAGPRA, and the Human Identity & Trauma Analysis Laboratory modern human remains donation collection.
Laboratory Management	Train laboratory personnel for compliance with OSHA & Environmental Health & Safety requirements, HAZMAT and Blood borne pathogen programs; inventory and supply ordering; official communications with medical examiners, police, and sheriff’s investigators, attorneys, and federal agents regarding the laboratory’s case work; operations of the Buckingham Outdoor Forensic Research Facility.
Bilingual	Fluent in Spanish and English
POGIL method	Process-Oriented Guided Inquiry Learning, STEM applied Mentor and Advisor: Dr. Heather Walsh-Haney
Authorized Science Diver	American Academy of Underwater Science (AAUS); National Association of Underwater Instructors (NAUI) Certifications: Advanced Open-Water Diver (130ft depth); Nitrox Diver; Dive Emergency Management Professional (Emergency O2, First Aid, CPR); and Rescue Diver

Forensic Anthropology Casework

January 2022 – Present	UNLV Forensic Anthropology and Bioarchaeology Laboratory assisting Jennifer Byrnes, Ph.D., D-ABFA with: Evidence Collection; Receipt of Remains; Trauma Analysis; Biological Description; Taphonomy and Postmortem Interval; Photography.
January 2015 – July 2021	Florida Gulf Coast University and Florida District 20 Office of the Medical Examiner assisting Heather Walsh-Haney, Ph.D., D-ABFA with: Evidence Collection; Receipt of Remains; Trauma Analysis; Biological Description; Nonhuman Skeletal

Examination; Radiography; Antemortem v Postmortem
Radiographic Comparison and Identification; Photography.

ACADEMIC APPOINTMENTS

Spring 2023	Teaching Assistant, ANTH 420: Magic, Witchcraft, and Religion Department of Anthropology University of Nevada, Las Vegas
Spring 2023	Teaching Assistant, ANTH 105: Introduction to World Archaeology Department of Anthropology University of Nevada, Las Vegas
Fall 2022	Teaching Assistant, ANTH 751: Current Problems in Archaeology: Mapping Stories and Mapping Histories Department of Anthropology University of Nevada, Las Vegas
Fall 2022	Teaching Assistant, ANTH 101: Introduction to Cultural Anthropology Department of Anthropology University of Nevada, Las Vegas
Spring 2022	Graduate Assistant, Clark County Office of the Coroner and Medical Examiner; Advisor: Dr. Jennifer Byrnes Department of Anthropology University of Nevada, Las Vegas
Spring 2022	Teaching Assistant, ANTH 411: Buddhism and Culture; ANTH 428: Ethnicity, Nationality, Gender and Class Department of Anthropology University of Nevada, Las Vegas
Fall 2021	Teaching Assistant, ANTH 101: Introduction to Cultural Anthropology Department of Anthropology University of Nevada, Las Vegas
Fall 2021	Teaching Assistant, ANTH 462/662: Human Osteology; ANTH 102: Introduction to Biological Anthropology Department of Anthropology University of Nevada, Las Vegas
Summer A 2021	Adjunct Instructor, Forensic Anthropology

Department of Justice Studies, Florida Gulf Coast University

Spring 2021 Adjunct Instructor, Forensic Anthropology
Department of Justice Studies, Florida Gulf Coast University

Fall 2020 Teaching Assistant, Human Osteology and Forensic Anthropology
Florida Gulf Coast University

Spring 2016 Teaching Assistant, Human Osteology
Florida Gulf Coast University

Fall 2015 Teaching Assistant, Forensic Anthropology
Florida Gulf Coast University

FIELD WORK

May 2022 Historic Belen Bioarchaeological Project, Belen, New Mexico with
Drs. Debra Martin (UNLV) and Pamela Stone (Mount Holyoke
College)

June 2019 Defense POW/MIA Accounting Agency (DPAA) partnership
mission with FGCU, Germany – *Photographer, Mapper & Field
Technician*

Fall 2017 – Summer 2021 Exhumation of Archaeological Remains and Artifacts, Venice,
Florida
FA#: 6H16

March 2015 Key West Historic Cemetery Recovery with Dr. Heather Walsh-
Haney.

June 2014 International Field Initiative and Forensic Training – Forensic
Anthropology Foundation of Guatemala (IFIFT-FAFG).
Multidisciplinary Field School: Forensic investigations, Forensic
Anthropology, Forensic Archaeology, Forensic Psychology, and
DNA collection/analysis.

FORENSIC FIELD RECOVERY

Spring 2021 Oakland Park, FL
Excavation of burial (1 day)
FA#: 5D21

Spring 2021 Boynton Beach, FL
Excavation of possible burial (1 day)
FA#: 3D21

Fall 2020	Pompano Beach, FL Search and excavation of landfill (30 days) FA#: 10D20
Fall 2020	Jacksonville, FL Excavation of burial (1 day) FA#: 10D20
Fall 2020	New Smyrna Beach, FL Excavation of burial (1 day) FA#: 8B20
Fall 2019	Shorter, Alabama Excavation of surface burial (3 days) FA#: 11G19
Fall 2019	Demopolis, Alabama Excavation of surface burial (4 days) FA#: 11B19
Fall 2019	Okeechobee, Florida Cold case scene (3 days) FA#: 9I19
Fall 2019	Fort Pierce, Florida Excavation of possible burial (1 day) FA#: 9H19
Fall 2019	Wellington, Florida Cold case scene search (5 days) FA#: 8A19
Spring 2019	West Palm Beach, Florida Excavation of possible burial (2 days) FA#: 5E19
Spring 2019	Tampa, Florida Excavation of possible burial (5 days) FA#: 4E19
Spring 2019	Port Charlotte, Florida Cold case scene search (3 days) FA#: 1J19
Spring 2019	Naples, Florida Excavation of surface burial (1 day)

	FA#: 1E19
Spring 2019	Fort Lauderdale, Florida Excavation of surface burial (3 days) FA#: 1D19
Fall 2018	Jacksonville, Florida Excavation of suspected burial (1 day) FA#: 9E18
Spring 2018	Sarasota, Florida Excavation of surface scatter (1 day) FA#: 6F18
Spring 2018	Naples, Florida Excavation of surface burial (1 day) FA#: 4C18
Spring 2018	Naples, Florida Excavation of surface burial (1 day) FA#: 4A18
Spring 2018	West Palm Beach, Florida Excavation of surface burial (1 day) FA#: 3D18
Spring 2018	Wellington, Florida Excavation of surface burial (1 day) FA#: 3A18
Spring 2018	St. Augustine, Florida Excavation of surface burial (3 days) FA#: 2F18
Fall 2017	Naples, Florida Excavation of surface burial (1 day) FA#: 11F17
Spring 2017	Englewood, Florida Monitoring of Native American Burial Mound (3 days) FA#: 1C17
Fall 2016	Boca Raton, Florida Excavation of surface burial (1 day) FA#: 12E16
Fall 2016	Naples, Florida Exhumation of skeletal remains (1 day)

FA#: 10G12

Fall 2016 Naples, Florida
Excavation of suspected burial (1 day)
FA#: 9D16

Fall 2016 Jacksonville, Florida
Excavation of suspected burial (3 days)
FA#: 8K16

Spring 2016 Jupiter, Florida
Excavation of suspected burial (1 day)
FA#: 5D16

Spring 2016 Naples, Florida
K9 Grid Search and excavation, Picayune Strand (1 day)
FA#: 8J15

Spring 2016 Naples, Florida
Excavation of suspected burial (1 day)
FA#: 3E16

Spring 2016 Naples, Florida
Excavation of suspected burial (1 day)
FA#: 3D16

Spring 2016 Naples, Florida
Excavation of suspected burial (1 day)
FA#: 3A16

Spring 2016 West Palm Beach, Florida
Excavation of surface/motor vehicle burial (1 day)
FA#: 2A16

Spring 2016 Sarasota, Florida
Exhumation of juvenile remains in cemetery (2 days)
FA#: 1B16

Fall 2015 Sarasota, Florida
Excavation of surface burial (1 day)
FA#: 10D15

Fall 2015 Sarasota, Florida
Excavation of surface burial (1 day)
FA#: 9J15

Fall 2015 West Palm Beach, Florida
Excavation of surface burial (1 day)
FA#: 9B15

Fall 2015 Naples, Florida
Excavation of surface/submerged burial (1 day)
FA#: 8J15

Fall 2015 Belle Glade, Florida
Excavation of surface burial (1 day)
FA#: 8F15

PRESENTATIONS & POSTERS

October/November 2022 *The Postmortem Agency of Undocumented Migrants: Potential Risks with Applying a Structural Vulnerability Framework in Forensic Anthropology*
Dayanira Lopez, M.S.
9th Annual UNLV Rebel Grad Slam 3-Minute Thesis, *University of Nevada, Las Vegas*

May 2022 *Septic Shock: The Search for Christy Leaves no Tank Unturned*
Dayanira Lopez, M.S., & Heather Walsh-Haney, Ph.D.
Mountain, Desert, & Coastal Forensic Anthropologists Meeting

May 2021 *Violence Against Women: Destroying Agency with Hydrochloric Acid*
Dayanira Lopez, M.S.
Latin American Studies Association: Crisis Global Desigualidades y Centralidad de la Vida, Virtual Congress

March 2019 *The Curious Case of Goldenhar-Gorlin Syndrome: Identification and Skeletal Manifestation*
Dayanira Lopez, B.S., & Heather Walsh-Haney, Ph.D.
American Association of Physical Anthropologists, Poster presentation, Conference, Cleveland, Ohio

February 2019 *The Effects of Hydrochloric Acid on Decomposition: An Example of Preferential Destruction to the Head and Extremities*
Dayanira Lopez, M.S., Heather Walsh-Haney, Ph.D., Laura Frost, Ph.D. & Brian Johnson, Ph.D.
American Academy of Forensic Science Conference, Podium presentation, Baltimore, Maryland

- August 2018 *The Effects of Hydrochloric Acid on Skeletal Remains: An Example of Preferential Destruction to the Head and Extremities*
Dayanira Lopez, B.S., & Heather Walsh-Haney, Ph.D., Florida Association of Medical Examiner's (FAME), Podium presentation
- April 2018 *The Curious Case of Goldenhar-Gorlin Syndrome: Identification and Skeletal Manifestation*
Dayanira Lopez, B.S., & Heather Walsh-Haney, Ph.D. Research Day, *Florida Gulf Coast University*
- April 2018 *Out of the Box: A Critical Evaluation of the Forensic Anthropologist's Skeletal Remains Storage Standards*
Dayanira Lopez, B.S., Elizabeth Armeros, B.A., & Heather Walsh-Haney, Ph.D.
American Association of Physical Anthropologists Conference, Poster presentation, Austin, Texas
- April 2017 *The Effects of Hydrochloric Acid on Decomposition: Evidence of Preferential Destruction to the Head and Extremities*
Dayanira Lopez, B.S., Heather Walsh-Haney, Ph.D., Angus Cameron, Ph.D., Laura Frost., Brian Johnson, Ph.D., & Erica Bear, Ph.D.
Research Day, *Florida Gulf Coast University*
- April 2017 *Out of the Box: A Critical Evaluation of the Forensic Anthropologist's Skeletal Remains Storage Standards*
Elizabeth Armeros, B.A., Dayanira Lopez, B.S., & Heather Walsh-Haney, Ph.D.
Research Day, *Florida Gulf Coast University*

ACADEMIC SCHOLARSHIPS/AWARDS

- Fall 2022 9th Annual UNLV Rebel Grad Slam 3-Minute Thesis Semi-Finalist, *University of Nevada, Las Vegas* (\$200)
- 2022 – 2023 Graduate Assistantship, Department of Anthropology, *University of Nevada, Las Vegas* (\$15,250)
- May 2022 Recipient of the J. Stanley Rhine Student Presentation Award, *Mountain, Desert, & Coastal Forensic Anthropologists Meeting* (\$150)
- 2021 – 2022 Graduate Assistantship, Department of Anthropology, *University of Nevada, Las Vegas* (\$15,250)

2021 Recipient of Recruitment Funds, Department of Anthropology, *University of Nevada, Las Vegas* (\$3,000)

2020 Environmental Health & Safety Award For Excellence (S.A.F.E.) Award Recipient, *Florida Gulf Coast University*

2018 *Florida Gulf Coast University* Graduate Tuition Waiver (\$290.60)

2018 *Graduate Student of the Year*, College of Arts & Sciences, '17-'18

2018 *Dean's Award, Best Graduate Student Poster*, College of Arts & Sciences, FGCU Research Day

2015 – 2018 Graduate Assistantship, Coordinator for Parent and Family Programs, Office of New Student Programs, *Florida Gulf Coast University* (\$11,042.80)

2015 *Florida Gulf Coast University* Graduate Tuition Waiver (\$1162.40)

2015 *Phi Eta Sigma* Founders Fund Scholarship, Graduate School (\$7500)

2014 *Phi Eta Sigma* National Honor Society Book Scholarship

2014 Who's Who Among Student's in American Universities and Colleges recipient

2014 Spring: Dean's List, *Florida Gulf Coast University*

2013 Who's Who Among Student's in American Universities and Colleges recipient

2013 Emerging Leader of the Year, *Florida Gulf Coast University*

2013 Spring: President's List; Fall: Dean's List, *Florida Gulf Coast University*

2012 Fall: Dean's List, *Florida Gulf Coast University*

2011 Dean's List, *Florida Gulf Coast University*

2010 Fall: Dean's List, *Florida Gulf Coast University*

2010 – 2014 Florida Merit Scholar Award -Florida Bright Futures
(\$10,947)

PUBLICATIONS

Lopez, Dayanira and Jennifer F. Byrnes. In Review. The Efficacy of Applying a Structural Vulnerability Approach to the Biological Assessment of Marginalized Groups. *Forensic Science International: Synergy*.

ACADEMIC WORKSHOPS

March 2020 FDIAI Region 6 Training: *How K9's Assist in Forensic Investigations*, Cape Coral, Florida

February 2020 AAFS Conference 2020: *KidStats: Improving the Subadult Biological Profile*, Anaheim, California

October 2019 FARO 3D Technologies, ScanArm Overview & RevEng Software Training, Fort Myers, Florida

August 2019 US Radar Inc., Ground Penetrating Radar Training, Fort Myers, Florida

July 2019 Binder Equipment Technology, Leica iCR70 Robotic Total Station & Autodesk Civil 3D Software Training, Fort Myers, Florida (3 days)

September 2018 FARO 3D Technologies, Lake Mary, Florida

April 2018 3D Morphology with Open Source Software, Austin, Texas

February 2015 FORDISC 3.0 Workshop, Orlando, Florida

SERVICE

March 2022 American Academy of Biological Anthropology (AABA) Committee on Diversity Undergraduate Research Symposium, Mentor

June/July 2021 Whitaker Center for STEM Education Student Research Opportunity (SRO): *The Bone Weathering Simulator*, Facilitator, Florida Gulf Coast University

June 2021 STEM Academy, Florida Gulf Coast University

July 2020	Florida's Forensic Institute for Research, Security and Tactics (FIRST) Forensic Summer Camp, Instructor, Land O' Lakes, Florida
July 2020	Whitaker Center for STEM Education, STEM for Teachers (Virtual), Facilitator, <i>Florida Gulf Coast University</i>
June – July 2020	Whitaker Center for STEM Education Student Research Opportunity (SRO): <i>Insects, Bones and Crime</i> , Facilitator, <i>Florida Gulf Coast University</i>
March 2020	Broward CSI: Buried Body Course, Group Leader, Broward, Florida
January 2020	Woodland Middle STEM Event, <i>Florida Gulf Coast University</i>
November 2019	Success Academy, <i>Florida Gulf Coast University</i>
October 2019	International Archaeology Day, Florida Public Archaeology Network
July 2019	STEM at Work Event, Girl Scouts, Naples, FL
July 2019	STEM at Work Event, Conservancy of Southwest FL
April 2019	Florida Division of the International Association for Identification (FDIAI), Forensic Anthropology training for the Florida Department of Law Enforcement (FDLE), <i>Florida Gulf Coast University</i>
February 2019	Eagle Expo, <i>Florida Gulf Coast University</i>
November 2018	STEM at Work event, Seminole Tribe, <i>Florida Gulf Coast University</i>
June 2018	JROTC Forensic Anthropology STEM Camp
March 2018	STEM at Work event, <i>Florida Gulf Coast University</i>
February 2018	Three Oaks Middle School STEM Club Outreach
February 2018	Eagle Expo, <i>Florida Gulf Coast University</i>
March 2017	Florida Division of the International Association for Identification (FDIAI), Forensic Anthropology training for Law Enforcement, <i>Florida Gulf Coast University</i>

March 2017	Say Yes to the Nest, <i>Florida Gulf Coast University</i>
February 2017	Say Yes to the Nest, <i>Florida Gulf Coast University</i>
June 2016	NAACP – STEM at Work Event, <i>Florida Gulf Coast University</i>
April 2016	SRO, <i>Florida Gulf Coast University</i>
March 2016	STEM at Work event, <i>Florida Gulf Coast University</i>
December 2015	STEM at Work Event, Algenol, <i>Florida Gulf Coast University</i>
October 2015	Eagle Expo, <i>Florida Gulf Coast University</i>
March 2015	FGCU High School Solar Go-Kart Challenge (STEM)
April 2015	Avalon Elementary: Mini-Field Recovery in Forensic Anthropology
February 2015	Regional Science Fair, Alico Arena, <i>Florida Gulf Coast University</i>
February 2015	STEM at Work Event, <i>Florida Gulf Coast University</i>

MEMBERSHIPS

2021 – present	Lambda Alpha National Collegiate Honor Society for Anthropology, Student Member University of Nevada, Las Vegas
2020 – present	American Association of Forensic Sciences (AAFS), Student Affiliate
2017 – present	Florida Emergency Mortuary Operations Response System (FEMORS)
2017 – present	American Association of Biological Anthropology (AABA), Student Member
2015 – present	Latin American Studies Association (LASA), Student Member
2014 – present	American Anthropological Association (AAA), Student Member
2012 – 2015	Member of Honors Program, <i>Florida Gulf Coast University</i>
2011 – 2014	Member of <i>Phi Eta Sigma</i> National Honor Society
2013 – 2014	Vice President, <i>Phi Eta Sigma</i>
2012 – 2013	Philanthropy Chair, <i>Phi Eta Sigma</i>

SOFTWARE

FORDISC 3.1
Microsoft Office
CANVAS
IBM- SPSS
Adobe Photoshop CC 2020
ArcGIS Pro
R-Studio for Statistical Computing
Autodesk Civil 3D 2020
RevEng 2019