

Nicollette S. Appel, M.S.

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Permanent Address: 20 Knoll Lane, Glen Head NY, 11545

EDUCATION:

- 2020-present PhD student in Evolutionary Anthropology
The University of New Mexico
Advisor: Dr. Heather Edgar D-ABFA
- 2015-2017 M.S. in Forensic Anthropology with High Honors
Boston University School of Medicine
Advisor: Dr. Donald Siwek
- 2011-2015 B.S. in Biology
Minors in Anthropology, Chemistry, Dance
The University of Miami
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RESEARCH INTERESTS:

Human Variation, Ancestry Estimation, Quantitative Analysis, Virtual Anthropology, Bioarchaeology, Forensic Anthropology, Biocultural Anthropology, Skeletal Biology

Master's Thesis: *Long-Term Cocaine Use and Its Potential Effect on Bone Morphology*

ACADEMIC APPOINTMENTS:

- 2019 - 2020 Adjunct Professor, Long Island University Post
Forensic Anthropology
- Developed the curriculum for the forensic anthropology course
 - Topics covered include: theories of biological anthropology, introductory osteology, creation of a biological profile, trauma analysis, pathology analysis, taphonomy, and report writing
- Development of the Human Species, Culture and Society
- Independent Summer Course
 - Topics covered include: human evolution, human variation, and relation between human beings and other non-human primates
- Human Society
- Independent Summer Course
 - Topics covered include: marriage and kinship, leadership forms, spiritual beliefs and sacred practices, social inequalities, and economic reciprocity and exchange
- 2017 Graduate Teaching Assistant, Boston University
Experimental Design and Statistics for Forensic Anthropologists
(Supervisor: Dr. Peter Cummings)
- Held weekly office hours to assist first year master's students

- Advised students on experimental design and methods, and statistical analyses of data based on students individual theses projects

2016 Graduate Teaching Assistant, Boston University
Advanced Human Osteology
(Supervisor: Dr. Sean Tallman)

- Provided a workshop on bone histology and histological methods used in creating a biological profile
- Held weekly office hours and created quizzes for first year master's students

2013 Workshop Leader, University of Miami
Introduction to Biology (Supervisor: Dr. Michael Gaines)

- Lead a small group workshop to mentor students and help them understand the topics taught in Biology 101

PROFESSIONAL EXPERIENCES:

2019-2020 Forensic Scientist I: Latent Print Section, Nassau County Office of the Medical Examiner

- Perform comparisons of latent prints from scenes throughout Nassau County, NY.
- Process latent prints using physical and chemical methods
- Obtain post-mortem prints in order to identification an individual
- Accession evidence on a rotating basis

2018 Forensic Scientist Trainee: Latent Print Section, Nassau County Office of the Medical Examiner

- Part of the internal training program of the Latent Print Section
- Read professional articles, performed comparison and processing exercises, and completed two written exams
- Obtained post-mortem prints in order to identify an individual

2017 Educator, Harlem Education Activities Fund

- Taught a middle school level forensic science course to high potential underserved students in Brooklyn, New York
- Developed my own lesson plans, curricula, and lab activities

2016 Medico-legal Death Investigations Intern, Massachusetts Office of the Chief Medical Examiner

- Assisted the medico-legal investigations team on active and cold cases

Forensic Anthropology Intern, Massachusetts Office of the Chief Medical Examiner

- Worked alongside Dr. James Pokines with reconstruction of the cranium and post cranial elements related to active cases
- Catalogued and documented past forensic odontological specimen

2011 Research Assistant, Feinstein Institute Orthopedic Research Laboratory

- Aided in research with aims to improve treatment for injuries of the musculoskeletal system including cartilage regeneration and repair

PUBLICATIONS AND PRESENTATIONS:

- 2018 **Nicollette Appel**, Donald Siwek, Tara Moore. *Long-Term Cocaine Use and Its Potential Effect on Bone Morphology*. Presented at the 70th Annual American Academy of Forensic Science Conference (Anthropology Section). Seattle, Washington.
- 2017 James Pokines, **Nicollette Appel**, Corey Pollock, Christopher Eck, Amanda Maki, A. Skylar Joseph, Lindsey Cadwell, and Christina Young. *Anatomical Taphonomy at the Source: Alterations to a Sample of 84 Teaching Skulls at a Medical School*. *Journal of Forensic Identification*, 67(4) 2017:600-632.
- James Pokines, **Nicollette Appel**, Corey Pollock, Christopher Eck, Amanda Maki, A. Skylar Joseph, Lindsey Cadwell, and Christina Young. *Anatomical Taphonomy at the Source: Alterations to a Sample of 84 Teaching Skulls at a Medical School*. Poster presentation at the John McCahan Medical Campus Education Day, Boston University School of Medicine.
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FIELD EXPERIENCES:

- 2016 Field School Participant, Odyssey Field School, Limassol, Cyprus
- Learned excavation and preservation methods related to modern cemetery human skeletal remains
 - Was exposed to a variety of pathological changes and trauma to the remains not commonly seen in a forensic context
- 2014 Field School Participant, The Azoria Project, Kavousi Crete, Greece
- Participated in the excavation of a Neolithic, Late Minoan IIIc, and early Iron Age- Archaic site
 - Learned excavation, preservation, and conservation methods related to an archaeological site
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HONORS AND DISTINCTIONS:

- 2015-2017 Boston University High Honors
- 2014-2015 Gamma Sigma Alpha Academic Honor Society
University of Miami President's Honor Roll
- 2013-2015 University of Miami Dean's List
University of Miami Provost's Honor Roll
- 2011-2015 National Society of Collegiate Scholars
University of Miami Dickinson Scholarship
- 2011-2013 PRISM Program, University of Miami
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SKILLS AND CAPABILITIES:

Laboratory Techniques

- Osteological analysis
- Tissue preservation and sectioning
- Histological staining
- Physical and chemical processing for latent print analysis

Field Techniques

- Burial excavation (solitary and commingled graves)
- Site mapping with Leica TS02 Total Station with Nomad Data

Computer Software

- FORDISC 3.1
- 3Skull program and digitizer
- ImageJ Analysis
- Laboratory Information Management System (LIMS/Beast)
- MideoCaseworks computer software
- SPSS statistical software
- Microsoft Office

FEMA certifications (ICS-100, ICS-200, IS-700)