

JUSTIN MAIERS

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EDUCATION

- Current **PhD student in ANTHROPOLOGY**, University of South Florida. Concentration in Biological Anthropology. (Dr. Jonathan Bethard, Advisor).
- 2017 **M.S. in HUMAN BIOLOGY**, University of Indianapolis. Concentration in Human Biology and Forensic Anthropology. (Dr. Stephen Nawrocki, Advisor).
- 2010 **B.S. in ANTHROPOLOGY**. Michigan State University. Concentration in Physical Anthropology.
- 2008 **B.A. in CRIMINAL JUSTICE**. Michigan State University. Concentration in Forensics and Constitutional Law.

Relevant Course Work

Human Anatomy, Gross Anatomy, Human Osteology, Comparative Osteology, Advanced Skeletal Analysis, Vertebrate Anatomy, Genetics, Forensic DNA, Statistics, Biological Anthropology, Human Evolution

RESEARCH INTERESTS

Forensic Anthropology, Anatomy, Skeletal Biology, Ancestry, Skeletal Interpretation of Trauma, Biological Profile, Human Rights

Master's Thesis: *Elliptical Fourier Analysis of the Human Nasal Aperture*

RELEVANT EXPERIENCE AND TRAINING

- Current Forensic Anthropologist 1. University of Indianapolis Human Identification Center. Responsibilities include conducting and coordinating field recoveries, organizing and performing laboratory analyses, writing osteology and archaeology reports, training new students in casework, communicating with local authorities and coroners, and conducting laboratory photography.
- 2011-Current Graduate Assistant. University of Indianapolis Human Identification Center. Assists with forensic and archeological human remains cases in lab and field settings.
- 2013-Current Human Rights Work, volunteered forensic expertise to excavate, and identify migrants who died and were buried in Brooks County TX, Falfurrias, TX.
- 2016 Forensic Anthropology Intern, Pima County Office of the Medical Examiner in Tucson, AZ. Analyzed human remains to generate case reports under the supervision of Dr. Cate Bird and Dr. Bruce Anderson (Jan 2016)

- 2015-Current Research Assistant. “Digging Deeper: Interdisciplinary Research into Indiana’s Caves.” Assists in the collection of herpetological specimens for histological research on spermatogenesis.
- 2014 Organized and attended the presentation of “Surviving Death: A Multidisciplinary Panel Discussion on Death and Mourning”, led by Dr. John Langdon focusing on how the living perceive death and mourning, how professionals interact with death and mourning, and how perceptions change within the lens of various cultures at the University of Indianapolis, IN (March 28).
- 2012-2013 Molecular Anthropology Laboratory Graduate Assistantship. University of Indianapolis Molecular Anthropology Lab. Assisted with the human genetics and forensic DNA activities conducted in the Department of Biology. Duties included general laboratory work, preparation of materials and equipment, assisting for graduate-level genetics courses, helping to prepare manuscripts and reports, and assisting with forensic DNA consultations.
- 2012 Organized and attended the presentation of “Evolving Thought: Teaching Creationism in the Science Classroom. A multidisciplinary panel discussion led by Dr. John Langdon focusing on Senate Bill 89 which would require that creation theories from multiple religions be offered alongside Evolution in Indiana Schools” at the University of Indianapolis, IN (Feb 15).
- 2011 Attended the workshop “Firearms Evidence at Anthropological Scenes”. University of Indianapolis, IN (Oct 25).
- 2009-Current Meetings Attended:
- 85th Annual American Association of Physical Anthropologists Meeting. Atlanta, GA (April 12-16, 2015).
 - 68th Annual American Academy of Forensic Sciences Conference. Las Vegas, NV (February 23-27, 2016).
 - 5th Annual Forest, Lakes, & Grasslands Forensic Anthropologists Conference. Roscommon, MI (Sep 24-27, 2015).
 - 35th Annual Mountain, Desert, & Coastal Forensic Anthropologists Conference. Lake Mead, NV (May 28-31, 2015).
 - 67th Annual American Academy of Forensic Sciences Conference. Orlando, FL (Feb 17-22, 2015).
 - 4th Annual Forest, Lakes, & Grasslands Forensic Anthropologists Conference. Roscommon, MI (Sep 26-29, 2014).
 - 34th Annual Mountain, Desert, & Coastal Forensic Anthropologists Conference. Lake Mead, NV (May 28-31, 2014).
 - 66th Annual American Academy of Forensic Sciences Conference. Seattle, WA (Feb 17-22, 2014).
 - 3rd Annual Forest, Lakes, & Grasslands Forensic Anthropologists Conference. Roscommon, MI (Sep 26-29, 2013).

- 33rd Annual Mountain, Desert, & Coastal Forensic Anthropologists Conference. Lake Mead, NV (May 28-31, 2013).
- 65th Annual American Academy of Forensic Sciences Conference. Washington, DC (Feb 18-23, 2013).
- 2nd Annual Forest, Lakes, & Grasslands Forensic Anthropologists Conference. Roscommon, MI (Sep 27-30, 2012).
- 32nd Annual Mountain, Desert, & Coastal Forensic Anthropologists Conference. Lake Mead, NV (May 22-25, 2012).
- 64th Annual American Academy of Forensic Sciences Conference. Atlanta, GA (Feb 20-25, 2012).
- 1st Annual Forest, Lakes, & Grasslands Forensic Anthropologists Conference. Roscommon, MI (Oct 26-30, 2011).
- Annual Meeting of the Indiana College Biology Teachers, Indianapolis, IN (Oct 8, 2011).
- 63rd Annual American Academy of Forensic Sciences Conference. Chicago, IL (Feb 21-26, 2011);

TEACHING EXPERIENCE

2015-Current Adjunct Instructor. University of Indianapolis. Principles of Anatomy (BIOL 103)

2011-2015 Tutor. University of Indianapolis. B.U.I.L.D. (Baccalaureate for the University of Indianapolis Learning Disabled) Program.

2011-2015 Tutor. University of Indianapolis. Anatomy Tutor Lab.

2011-Current Teaching Assistant. University of Indianapolis. Assists with setting up labs and practical exams, helping students, and grading papers. Classes include:

- Principles of Anatomy (BIOL 103), Mrs. Meredith Reid
- Principles of Anatomy (BIOL 103), Mrs. Elizabeth DeVisser
- Monkeys, Apes, and Humans (BIOL 130), Dr. Krista Latham
- Gross Anatomy (BIOL 510), Dr. Stephen Nawrocki
- Forensic and Historic DNA (BIOL 535), Dr. Krista Latham
- Human Osteology (BIOL 558), Dr. Stephen Nawrocki
- Vertebrate Anatomy (BIOL 560), Dr. Stephen Nawrocki
- Comparative Osteology (BIOL 564), Dr. Stephen Nawrocki

2011-Current Guest Lectures

- “Forensic Anthropology”. Decatur Central High School. Indianapolis, IN
- “Outdoor Crime Scene Recovery”. Decatur Central High School. Indianapolis, IN
- “Forensic Anthropology and Pathology”. Ben Davis High School. Indianapolis, IN
- “The Animal Skeleton”. UHUMCC Pre-School. Indianapolis, IN.
- “Forensic Anthropology”. John H. Boner Community Center. Indianapolis, IN.
- “Forensic Anthropology”. CSI Camp. The Orchard School. Indianapolis, IN.
- “Introduction to Forensic Anthropology”. Central Nine Career Center. Indianapolis, IN.
- “The Vertebrate Skeleton”. Zoo Teen Lecture. Indianapolis Zoo. Indianapolis, IN.

- “DNA Day”. Indianapolis Children’s Museum. Indianapolis, IN.
- 2016 Assistant Instructor at the seminar An Overview of Forensic Anthropology for the 2016 Illinois Search and Rescue Conference, Clinton, IL (Sept 24).
- 2016 Assistant Instructor at the seminar An Overview of Forensic Anthropology for the Will County Emergency Management Agency, Fireman’s Park Building, Monee IL, (April 23).
- 2016 Assistant Instructor at the seminar An Overview of Forensic Anthropology for the Will County Emergency Management Agency, Joliet Jr College, Joliet IL, (April 22-23).
- 2012-2015 Assistant Instructor at the seminar, “An Overview of Forensic Anthropology”, at the Indiana Law Enforcement Academy, Plainfield, IN, as part of the Indiana State Police’s Integrated Law Enforcement Crime Scene Training Program (June 2012, 2013, 2014, 2015)
- 2013-2015 Teaching Assistant for the workshop “The Recovery and Identification of Human Skeletal Remains” conducted for IN and IL state coroners. University of Indianapolis (July 2013, 2014, 2015)
- 2015 Invited Speaker for the *Outdoor Crime Scene Recovery Workshop* at Decatur Central High School, Indianapolis, IN (April 17).

PROFESSIONAL SERVICE & MEMBERSHIPS

- 2011 to Founder and President, Forensics at UIndy (FOUND),
2013 University of Indianapolis, Indianapolis, IN
- 2012 to Student Affiliate, American Academy of Forensic Sciences
Current (Anthropology Section)
- 2013 to Student Affiliate, Indiana Academy of Sciences (Biology Section)
Current
- 2015 to Student Affiliate, American Academy of Physical Anthropology
Current

FUNDING

- 2016 *Graduate Student Research Funds* (\$1500) Travel and lodging to Falfurrias and San Marcos, TX for human rights work.
- 2015 *Graduate Student Research Funds* (\$1500) Travel and lodging to Falfurrias and San Marcos, TX for human rights work.
- 2014 *Graduate Student Research Funds* (\$3000) Travel and lodging to the University of Pretoria School of Medicine, South Africa for research and data collection.

- 2014 *Graduate Student Research Funds* (\$1500) Travel and lodging to Falfurrias, TX for human rights work.
- 2014 *Graduate Student Research Funds* (\$500) Travel and lodging to present research at the annual meeting of the American Academy of Forensic Sciences in Seattle, WA.
- 2013 *Graduate Student Research Funds* (\$1500) Travel and lodging to Falfurrias, TX for human rights work.
- 2012-2014 *FOUND Travel Award* (\$150 x 3) for travel to Annual Meeting of the American Academy of Forensic Sciences in Atlanta, GA, Washington DC, and Seattle, WA.
- 2012-2014 *FOUND Travel Award* (\$150 x 3) for travel to Annual Mountain Desert and Coastal Forensic Anthropology Meeting in Boulder City, NV.
- 2012-2014 *FOUND Travel Award* (\$150 x 3) for travel to Annual Forest, Lakes, and Grasslands Forensic Anthropology Meeting in Roscommon, MI.

AWARDS

- 2013 *Brooks County Certificate of Appreciation* for outstanding service in the identification of undocumented border crossers.
- 2013 *University of Indianapolis Graduate Student Service Award* for exceptional education and service to the human biology program at the University of Indianapolis.
- 2012 *Sheilagh T Brooks Travel Award* (\$300) for travel to Annual Mountain Desert and Coastal Forensic Anthropology Meeting in Boulder City, NV.
- 2010 *MSUFCU Study Abroad Travel Award* (\$1500) for travel to London for a Forensic Anthropology Study Abroad.

PRESENTATIONS

- Maiers, J. Nawrocki, S. (2017). *Elliptical Fourier Analysis of the Human Nasal Aperture*, presented at the 69th Annual American Academy of Forensic Sciences Conference. New Orleans, LA.
- Maiers, J. Latham, K. O'Daniel. (2016) *Applying Sociopolitical Theory to Better Understand Processes of Migrant Death Along the Texas-Mexico Border*, presented at the 85th Annual American Association of Physical Anthropologists Meeting. Atlanta, GA.
- Maiers, J. Latham K. (2016) *The Foundational Principals of Human Biological Variation in Forensic DNA Comparisons*, presented at the 85th Annual American Association of Physical Anthropologists Meeting. Atlanta, GA.

- Maiers, J. Khan, A. Latham, K. (2015) *Beyond Borders: Human Rights Work in South Texas*, presentation at the 5th Annual Meeting of the Forest, Lakes and Grasslands Forensic Anthropology Conference, Ralph A. MacMullan Conference Center in Roscommon, MI.
- Maiers, J. Campbell, J. Latham, K. (2015) *A Case Study Warranting Attention*, presentation at the Annual Mountain, Desert, and Coastal Forensic Anthropologist Meeting in Boulder City, NV.
- Maiers, J. Campbell, J. Christensen, E. Strand, R. Latham, K. (2014) *A Cemetery Without Crosses: Migrant Death and Forensic Investigations on the South Texas Border*, presentation at the Indiana Medical History Museum in Indianapolis, IN.
- Maiers, J. Ketchum, T. Nawrocki, S. (2014). A presentation on decomposed human remains from Dearborn County, IN (UI-36-14) at the 4th Annual Meeting of Forest, Lakes and Grasslands Forensic Anthropology Conference, Ralph A. MacMullan Conference Center in Roscommon, MI.
- Maiers, J. Christensen, E. Kauffman, S. Latham, K. (2014) *Obtaining Touch DNA from Fired 9mm Casings*, presented at the 66th Annual American Academy of Forensic Sciences Meeting in Seattle, WA.
- Maiers, J. Latham K. (2013) *Forensic Archeology at the University of Indianapolis*, presented at the 3rd Annual Meeting of the Forest, Lakes, and Grassland Forensic Anthropologists, in Roscommon, MI.
- Maiers, J. Campbell, J. Christensen, E. Strand, R. Latham, K. (2013) *Undocumented Border Crosser Deaths in South Texas*, presentation at the 33rd Annual Mountain, Desert, and Coastal Forensic Anthropologists Meeting. Boulder City, NV.
- Maiers, J. Latham, K. (2013) *Interpretation of Multiple Gunshot Wounds*, presentation at the 33rd Annual Mountain, Desert, and Coastal Forensic Anthropologists Meeting. Boulder City, NV.
- Maiers, J. Nawrocki, S. (2013) *A Case Study in Central Indiana*, presentation at the University of Indianapolis Brown Bag Talks. Indianapolis, IN
- Byram, J. Maiers, J. Nawrocki, S. (2012) *Forensic Archeology at the University of Indianapolis Archeology and Forensics Laboratory*, presentation at 2nd annual Forest, Lakes, and Grasslands Forensic Anthropologists Meeting. Roscommon, MI
- Maiers, J. (2011) *Deep in the Nile, Bioarchaeology from Mis Island, Sudan*, presentation at the University of Indianapolis Brown Bag Talks. Indianapolis, IN

PUBLICATIONS

- C. Bird, J. Maiers (in press)
 Dialog across States & Agencies: Juggling Ethical Concerns of Forensic Anthropologists north of the U.S.-Mexico Border. *Sociopolitics of Migrant Death and Repatriation: Perspectives from Forensic Science*.
- K. Latham, A. O'Daniel, J. Maiers (in press)
 Migrant Death and Identification: Theory, Science, and Socio-politics. 'O Brave New World': *The Archaeology of Identity in Contexts of Dissonance*.

S. Nawrocki, K. Latham, T. Gore, R. Richardson, J. Byram, J. Maiers (in press)
Using Elliptical Fourier Analysis to Interpret Complex Morphological Features in Global Populations. *New Perspectives in Forensic Human Skeletal Identification*.

CASE REPORTS

K. Latham, J. Maiers (2016)

Forensic Anthropology Report, Submitted to the Shelby County Coroner's office, Shelbyville, IN. University of Indianapolis Human Identification Center.

S. Nawrocki, J. Maiers, & J. Campbell (2014).

Forensic Anthropology Report, Submitted to the Monroe County Coroner's Office, Bloomington, IN. University of Indianapolis Archeology & Forensics Laboratory.

S. Nawrocki, J. Maiers, & M. Ketchum (2014).

Forensic Anthropology Report, Submitted to the Dearborn County Coroner's Office, Lawrenceburg, IN. University of Indianapolis Archeology & Forensics Laboratory.

K. Latham, J. Maiers (2013).

Forensic Anthropology Report, Submitted to the Webb County Medical Examiner's Office, Laredo, TX. University of Indianapolis Archeology & Forensics Laboratory.

K. Latham, J. Maiers (2013).

Forensic Anthropology Report, Submitted to the Webb County Medical Examiner's Office, Laredo, TX. University of Indianapolis Archeology & Forensics Laboratory.

S. Nawrocki, J. Maiers, & J. Campbell (2013).

Forensic Anthropology Report, Submitted to the Hendricks County Coroner's Office, Danville, IL. University of Indianapolis Archeology & Forensics Laboratory.

S. Nawrocki, J. Maiers, & J. Suarez (2012).

Forensic Anthropology Report, Submitted to the Lake County Coroner's Office, Crown Point, IN. University of Indianapolis Archeology & Forensics Laboratory.

S. Nawrocki, J. Maiers, & H. Williamson (2012).

Forensic Anthropology Report, Submitted to the Lake County Coroner's Office, Crown Point, IN. University of Indianapolis Archeology & Forensics Laboratory.

S. Nawrocki, J. Maiers, J. Byram, M. Earll, & J. Suarez (2012).

Brief report on the recovery of human remains from the bank of the Wabash River. Tippecanoe County Sheriff's Office, Lafayette, IN. Archeology & Forensics Laboratory, University of Indianapolis.

S. Nawrocki, J. Maiers, & J. Suarez (2012).

Forensic Anthropology Report, Submitted to the Marion County Coroner's Office,
Indianapolis, IN. Archeology & Forensics Laboratory, University
of Indianapolis.