

SARAH A. LACY

Curriculum Vitae

Department of Anthropology & Archaeology
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INTERESTS

- Bringing Bioarchaeology/Paleopathology methods to Paleoanthropology
- The utility of oral health analyses for reconstructing past health/morbidity and environmental factors
- The effects of environmental change on health, diet, and mobility patterns in the post-glacial Period

ACADEMIC APPOINTMENTS

2014-present **Assistant Professor Biological Anthropology:** University of Missouri-St. Louis, Department of Anthropology & Archaeology and affiliate of Gender Studies Program

2015-2018 **Honorary Research Fellow:** Durham University, Department of Archaeology

2014 **Visiting Postdoctoral Research Associate:** Durham University, Department of Archaeology

2008-2014 **Graduate Student & Adjunct Instructor:** Washington University, Department of Anthropology

EDUCATION

PhD Biological Anthropology, Washington University, St. Louis, MO Defended Feb 3rd 2014
Entitled: Oral health and its implications in Late Pleistocene Western Eurasian humans
Committee Chair: Erik Trinkaus (Washington University)

AM Biological Anthropology, Washington University, St. Louis, MO 2010

BS Anthropology *cum laude*, Tulane University, New Orleans, LA 2008
Minors: Economics, German Language & Literature

PUBLICATIONS

- In review* **Lacy SA**, Rome A. Re-politicizing the anthropologist in the Age of Neoliberalism and #BlackLivesMatter. Submitted to *Transforming Anthropology*. Abstract accepted into invited special issue: Beyond Baltimore
- In review* **Lacy SA**. Evidence of Dental Agenesis in the Late Pleistocene. Submitted to *Journal of Human Evolution*
- Accepted* **Lacy SA**, S Bailey, S Benazzi C Delage. Newly recognized human dental remains at Les Fadets (Lussac-les-Châteaux, Vienne, France). Submitted to *Bulletins et Mémoires de la Société d'Anthropologie de Paris*.
- In press* Trinkaus E, **Lacy SA**. Neandertal Paleopathology. In: Cowgill L, Maddux S, eds. Neandertal Skeletal Anatomy. Cambridge University Press (volume is under contract)
- In press* **Lacy SA**, VA Lombardi, J Zapata. The Oral Paleopathology. In: The People of Palomas: Neandertals from the Sima de las Palomas, Cabezo Gordo, Southeastern Spain. E Trinkaus & MJ Walker (eds), Texas A&M University Press (*Invited peer-review chapter contribution*)
- 2016** Trinkaus E, **Lacy SA**, Willman J. Human Burials and Biology at Dolní Věstonice II. In: J.A. Svoboda (ed.) Dolni Vestonice II: Chronostratigraphy, Paleoethnology, Paleoanthropology. Dolni Vestonice Studies 21. (*Invited chapter contribution*)
- 2016** Delage C, Alamichel F, Gaussein P, **Lacy SA**, Langley M, Mathé V, Pérault C. Le Gisement Magdalénien de la Piscine (Montmorillon, Vienne): Etudes et Travaux 2006-2011. SERPE Bulletin 65:47-75.
- 2015** **Lacy SA**. Dental metrics, morphology and oral paleopathology of Oberkassel 1 & 2. In: Oberkassel 1914-2014: 100 years of research on the Late Glacial burial. L Giemsch & RW Schmitz (eds), Rheinisches Landesmuseum-Bonn (*Invited chapter contribution*)
- 2014** **Lacy SA**. Case Study: The oral pathological conditions in the Broken Hill (Kabwe) Cranium. *International Journal of Paleopathology* 7:57-63.
- 2013** **Lacy SA**, Trinkaus E. The foramina transversaria of the Sunghir 2 and 3 cervical vertebrae. *Archaeology, Ethnology and Anthropology of Eurasia* 41:126-131.
- 2012** **Lacy SA**, Wu XJ, Jin CZ, Qin DG, Cai YJ, Trinkaus E. 2012. Dentoalveolar Paleopathology of the early modern humans from Zhirendong, South China. *International Journal of Paleopathology* 2:10-18.

Popular Publications

- 2014** Trinkaus, E., **Lacy. S.A.**. The people of Oberkassel. In: *Eiszeitjäger: Leben im Paradies*. Berichte Rheinisches Landesmuseum-Bonn. p. 153-157 (in English and German)

AWARDS

- 2015 Honorary Golden Key member, student nomination, UMSL
- 2014 International Studies and Programs Faculty Fellow, UMSL, academic year 2014-2015
- 2014 Earnest A Hooten Award for Best Student Poster, Amer Assoc Physical Anthropologists
- 2013 Pollitzer Travel Essay Award, American Association of Physical Anthropologists
- 2013 2nd Place Poster Presentation in Social Sciences, Wash U Graduate Research Symposium
- 2011 Pollitzer Travel Essay Award, American Association of Physical Anthropologists
- 2009 Pollitzer Travel Essay Award, American Association of Physical Anthropologists
- 2008 Elizabeth S. Watts Award for Outstanding Achievement in Physical Anthropology, Tulane University

GRANTS

For resubmission

- 2016 Natural Environmental Resources Council UK, “Muddle in the Middle: Using diet and dental disease to understand profound changes in human behaviour in Late Pleistocene-Early Holocene Europe” £670,000 With Profs. Charlotte Roberts (PI) and Paul Pettitt (Co-I). Unfunded in Dec 2015

Received

External

- 2015 LVR-LandesMuseum Bonn, Germany, non-competitive funding to cover my attendance at invited conference, 1200€
- 2014 The University of Durham, UK, Visiting Scholar Seedcorn Funding, £3330 with Profs. Charlotte Roberts and Paul Pettitt
- 2011 The Leakey Foundation “Oral Health in Late Pleistocene Western Eurasian Humans” \$12,000
- 2010 National Geographic Waitt Grant “Transitional Homo Project: Loiyangalani Summer 2011” \$9,995

Internal

- 2016 UMSL, Dean’s College of Arts and Sciences Travel Grant, \$500 plus \$500 matching from dept. (to AAPA meetings in New Orleans)
- 2015 UMSL, Dean’s College of Arts and Sciences Travel Grant, \$500 plus \$500 matching from dept. (to AAPA meetings in Atlanta)
- 2014 UMSL, Senate Committee for Research Travel Grant, \$1000 (to SAA 2015 meetings)
- 2014 UMSL, International Studies and Programs Travel Grant, \$2000 (to Durham for research)
- 2014 UMSL, Dean’s College of Arts and Sciences Travel Grant, \$500 plus \$500 matching from dept. (to BABA0 meetings in Durham, UK)
- 2012 Washington University, Dissertation Summer Funding for "Oral Health in Late Pleistocene Western Eurasian Humans" \$4,300
- 2010 Washington University, Pilot Study Funding for “Oral Health of the Indian Knoll collection” \$2,200

2009 Washington University, Field Funding- Excavation at Vogelherd, Germany under Prof. Nicholas Conard, Universität Tübingen, \$2,500

CONFERENCE PRESENTATIONS

2017 American Association of Physical Anthropologists- “Evidence for subsistence shifts in the Late Upper Paleolithic of Europe: Caries and antemortem tooth loss” in Invited Symposium: The Paleobiology of Upper Paleolithic / Later Stone Age Humans

2016 Midwest Bioarchaeology and Forensic Anthropology Association- “(Necro)Politics in the Bioarchaeology Lab” Podium presentation for Oct 22nd

2016 American Association of Physical Anthropologists- “Revisiting the Caries Hypothesis as a mechanism of tooth size selection” With James Calgano, April 14th in Invited Symposium: Old Questions, New Approaches and New Solutions: Celebrating the 30th Anniversary of the Dental Anthropology Association

2015 Invited presenter at “100 years of the Bonn-Oberkassel double burial: New research on the Federmesser-Gruppen/Azilian” symposium, “The Dental Metrics, Morphology and Oral Paleopathology of Oberkassel 1 and 2”. Bonn, Germany, October 23, 2015

2015 Paleopathology Association- “Testing for correlation amongst two periodontal disease diagnostic protocols” March 25th, 2015

2015 American Association of Physical Anthropologists- “Necropolitics and Bioarchaeology: Enduring Legacies and Ethical Responsibilities” with Heidi Shaw and Pamela Geller. March 28th, 2015

2015 American Association of Physical Anthropologists- “Can oral pathology avoidance explain human dental size reduction?” March 27th, 2015

2015 Society for American Archaeology- “Using oral health indicators as evidence of environmental instability and subsistence shifts in the Late Upper Paleolithic of Western Eurasia” April 16th, 2015

2014 British Association of Biological Anthropology and Osteoarchaeology- “Health and Old Age in the Late Pleistocene: Changes in oral pathological condition prevalence over time in older Neandertal and modern human adults in Europe” Sept 14th, 2014

2014 American Association of Physical Anthropologist Meetings- “Periodontal disease and health in Western Eurasian Late Pleistocene humans” Published Abstract: American Journal of Physical Anthropology S58:163.

2014 Paleopathology Association Meetings- “Dental caries in Neandertals and early modern humans in Western Eurasia”. Published Abstract in 2014 Meetings Program: 34-35.

- 2013 American Association of Physical Anthropologist Meetings- “Caries and other oral pathology in the Broken Hill (Kabwe) cranium”. Published abstract: American Journal of Physical Anthropology S56:175-176.
- 2013 Washington University Graduate Research Symposium- “Periodontal disease and oral health in the Late Pleistocene of Eurasia”
- 2011 Paleoanthropology Meetings- Poster “Dento-Alveolar Abnormalities of the Early Modern Humans from Zhirendong, South China” with X. Wu, S. Xing, W. Liu, and E. Trinkaus. Published abstract: PaleoAnthropology 2011: A22.
- 2010 Paleoanthropology Meetings- Poster “Mosaic Morphology in the Mandible and Maxilla from Loiyangalani, Southeastern Shore of Lake Turkana, Northern Kenya” with S. Muteti and E. Trinkaus. Published abstract: PaleoAnthropology 2010: A22-23

Invited Talks

- 2015 University of York, Department of Archaeology- “How bad is a Neandertal’s breath?: Oral health in the Late Pleistocene” June 12th
- 2014 Durham University, Department of Archaeology- “Oral Health and its implications in Late Pleistocene Western Eurasian Humans” March
- 2013 Saint Louis University, Department of Anthropology and Sociology- “Oral Health in Late Pleistocene humans” November
- 2013 Loyola Chicago University, Department of Anthropology- “Ignorance of Tooth Picks- Oral Health in the Late Pleistocene of Western Eurasia” April

RESEARCH

Papers in Active Preparation

- In prep* **Lacy SA**, M Le Luyer, P Bayle, R Macchiarelli, C Delage. The Magdalenian Dental Remains from La Piscine (Montmorillon, France). *To be submitted to Comptes Rendus Palevol. (in review with coauthors)*
- In prep* **Lacy SA**, S Muteti, E Mbua. The re-discovered East African hominin mandible, Loiyangalani 1, and its place within Late and Middle Pleistocene *Homo*. *To be submitted to American Journal of Physical Anthropology (data collected, paper in revision)*

Lab Work

- 2015 Collaboration trip with grant co-authors, Durham University, UK, June
- 2014 Mesolithic oral health pilot work, Durham University, UK, Spring Semester
- 2012 Dissertation collection at 35 universities and museums in Europe, Israel, and the US
- 2012 Research assistant for Dr. Trinkaus and visiting Dr. Xiujiu Liu, Washington University
- 2011 National Museums of Kenya, Data collection on Loiyangalani & Baringo fossils, Nairobi
- 2010 Pilot study on Indian Knoll specimen, University of Kentucky, Lexington
- 2009 Data collection on Indian Knoll vertebrae, University of Kentucky, Lexington

- 2009 Research Assistant for Dr. Trinkaus, Washington University
2008 Curation of Cast Collection for Dr. Trinkaus, Washington University

Field Work

- 2011 Supervised & organized, Loiyangalani field test season, National Museums of Kenya, Loiyangalani, Kenya
2009 Participant, Vogelherd summer season excavation, Universität Tübingen, Germany

TEACHING EXPERIENCE

Instructor

- 2016 Evolutionary Medicine, University of Missouri-St. Louis
2015 Field Methods in Biological Anthropology, University of Missouri-St. Louis
2015 Anthropology of Pregnancy and Birth, University of Missouri-St. Louis
2015-16 Human Variation, University of Missouri-St. Louis (*two semesters*)
2015 Forensic Anthropology, University of Missouri-St. Louis
2014-16 Introduction to Biological Anthropology, University of Missouri-St. Louis (*three semesters*)
2011,13 Introduction to Human Evolution, Washington University (*two semesters*)

Senior Thesis Supervisor

- 2016 Fall: Ben Hibbett “Racial disparities in infant mortality in St. Louis”
2015 Spring: Jacqueline Meyncke Risch “The Exotic Animal Trade in Missouri: Legality, Costs and Consequences”; John Claggett “Sacral Abnormalities in 19th Century St. Louisans”

Lab Supervisor

- 2016 Fall: Adnan Syed, Master’s of Biology Student; Salim Mistrih, Biology
2016 Two high school students from the Jennings High School Internship, Jeniah Taylor and Charles Manning
2015 Fall and Summer: Rachel Indelicato, Anthropology

Teaching Assistantships

- 2010-13 Teaching Assistantship: Washington University, Department of Anthropology: Human Variation (twice), Principles of Human Anatomy & Embryology, Anthropology of Human Birth, Tobacco: History, Culture, Science and Policy
2011 Teaching Assistantship: Washington University School of Medicine, Department of Anatomy and Neuroscience: Human Anatomy

Guest Course Lectures at University of Missouri-St. Louis

- 2016 “Birth across the world” in Anthropology of the Body, Prof. Susan Brownell
2016 “How bad was a Neandertal’s breath?” in Medicine in History and Culture, Prof. Susan Brownell and in Professionalism and Practice, Assoc. Prof. Patti Wright, Chair

2015 “Human Evolution” in Introduction to Evolution, Prof. Patricia Parker

Guest Course Lectures at Washington University

- 2015 “Human Variation and Racism” in Evolution of the Human Face, Instructor J Joganic
- 2013 “Human Evolution: An Overview” in Darwinian Medicine, Asst. Professor EA Quinn
- 2013 “Plio-Pleistocene Archaeology” in Introduction to Archaeology, Instructor C Cagnato
- 2013 “Heritability” in Human Variation, Professor E Trinkaus
- 2010 “Secular Trends in Human Variation” in Human Variation, Professor E Trinkaus

Future Teaching Interests

Bioarchaeology, Human Evolution, Osteology, Dental Anthropology, Paleoanthropology, Evolution of the Human Diet, Evolution of Human Birth & Sexuality, Human Anatomy, Middle & Late Pleistocene Archaeology

SERVICE

To the Profession

- 2016 Reviewer for Journal of Archaeological Science
- 2015-16 Reviewer for American Journal of Physical Anthropology
- 2015 Reviewer for ‘Care in the Past’ edited volume, editor Dr Rebecca Gowland
- 2014-15 Local Arrangements Committee member, American Association of Physical Anthropologists Meetings, St Louis 2015
- 2014-15 Local attaché for Vice President of Paleopathology Association Dr. Marie Danforth for 2015 meetings
- 2015 Panelist at AAPA Committee for Diversity panel ‘Beyond Ferguson’, March 28
- 2014 Expert interviewed by Traci Watson of National Geographic for comments on new scholarly article: <http://news.nationalgeographic.com/news/2014/07/140716-sudan-sedge-toothbrush-teeth-archaeology-science/>

University-wide/Departmental

University of Missouri-St. Louis

- 2016 Member of U Missouri system-wide Diversity, Equity and Inclusion Taskforce
- 2016 Wrote editorial for student newspaper, the Current, September 5th issue
- 2016 Faculty member DJ for The U, UMSL student radio
- 2015 Developed “Global Health and Social Medicine” minor with Prof Susan Brownell
- 2015 Wrote editorial for student newspaper, The Current, November 16th issue
- 2015-16 Curriculum committee member, Department of Anthropology and Archaeology, ongoing
- 2015 Multicultural Student Services student mentor
- 2015 Reviewer for UM system research board grant proposals
- 2015 Undergraduate Research Symposium judge
- 2015 Organized and moderated invited speaker panel *Beyond Reform: the limits of legislating equality for Black and LGBTQ liberation* with speakers Dr Dean Spade, Dr Barbara Graham and Eljeer Hawkins, August 7th

- 2015 Organized invited speaker on Ötzi the Iceman, Dr. Albert Zink, March 30
- 2015-16 Departmental Representative to UMSL Day, three semesters
- 2014-16 Science Literacy Committee member
- 2014 NAGPRA representative
- 2014 Retention and Recruitment Committee Head, Dept. of Anthropology, Sociology & Languages
- 2014 *Lambda Alpha* Faculty representative
- 2014 Anthropology Student Association Faculty Advisor

Washington University in St. Louis

- 2016 Invited paid speaker for Washington University Medical School first year orientation, entitled: “Racial Bias and Medicine: Discrimination produces poor health, but how?” Aug 8
- 2013 Graduate Student Liaison to Archaeology and Bioanthropology Job Search Committees
- 2013 Founded dissertation writing support group for the Dept. of Anthropology
- 2012 Physical Anthropology subfield representative to Graduate Departmental Committee
- 2010 Panelist representing Anthropology at Washington University Junior Jumpstart Program
- 2009 Departmental Peer Mentor, Dept. of Anthropology

To the Community

- 2016 Opening speaker for Green Party Presidential Candidate, Dr. Jill Stein, Cherokee Arts Center Sept. 10
- 2016 Moderator for “What is TIF and Tax Abatement?” Community Educational Workshop, Schlafly Library, March 16
- 2015 Testified in front of St. Louis City Board of Aldermen on Infant Mortality Rates in the region, Dec 2
- 2015 Public speaker for Girl Scouts of Eastern Missouri, CSI summer camp
- 2015 “Ferguson comes to York: #BlackLivesMatter Solidary” speaker at the University of York, UK, June 22
- 2015 Public forum moderator for MLK Jr Legacy speaker, Eljeer Hawkins, St Louis, Jan. 20
- 2015 Panel moderator for Malcolm X panel discussion with ACLU, St Louis, MO, Feb. 21
- 2012 Guest Lecturer at Pattonville High School on “Careers Opportunities in Anthropology”

PROFESSIONAL AFFILIATIONS

American Association of Physical Anthropologists
 Paleoanthropology Society
 Paleopathology Association
 Dental Anthropology Association
 Society for American Archaeology
 Lambda Alpha- National Honor Society for Anthropology
 British Association for Biological Anthropology and Osteoarchaeology

LANGUAGES

English (Native) German (Con conversationally Fluent) French (Basic Translation)