

EMILY ZAVODNY

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EDUCATION

- 2017 Ph.D., Anthropology, The Pennsylvania State University.
Dissertation: New approaches to cultural change and continuity at the Bronze-Iron Age transition in Lika, Croatia. Chairs: S. McClure and G. Milner.
- 2012 M.A. with distinction, Anthropology, The Pennsylvania State University
- 2010 B.A. *summa cum laude*, Anthropology (Honors), History, Wake Forest University

ACADEMIC APPOINTMENTS

- 2017-18 Postdoctoral Scholar, Dept. of Anthropology, Pennsylvania State University
- 2014-17 Online Course Instructor, Dept. of Anthropology, Pennsylvania State University
- 2014-15 Fulbright U.S. Student Fellow, resident at the Archaeological Museum in Zagreb and Dept. of Archaeology, University of Zagreb, Croatia
- 2011-15 Research Assistant, Dept. of Anthropology, Pennsylvania State University
- 2010-11 Teaching Assistant, Dept. of Anthropology, Pennsylvania State University

RESEARCH AND TEACHING INTERESTS

Human-environment interaction, sustainability, marginal environments, emergence of social complexity and inequality, mortuary archaeology, European prehistory (Neolithic, Bronze, Iron), origins of agriculture, animal husbandry and transhumance, faunal analysis, osteology, stable isotope geochemistry, radiocarbon dating, and paleoclimate reconstruction.

LIST OF PUBLICATIONS

Peer-Reviewed Publications

- in press E. Podrug, S. McClure, Z. Perhoč, S. Kačar, K. Reed, and **E. Zavodny**. Rašinovac near Ždrapanj (Northern Dalmatia)- an Early Neolithic site. *Archaeologia Adriatica*
- 2017 **E. Zavodny**, B. Culleton, S. McClure, D. Kennett, and J. Balen. Minimizing risk on the margins: insights on Iron Age agriculture from stable isotope analyses in central Croatia. *Journal of Anthropological Archaeology* 48: 250-261.
- 2015 **E. Zavodny**, S. McClure, B. Culleton, E. Podrug, and D. Kennett. Identifying Neolithic animal management practices in the Adriatic using stable isotopes. *Documenta Praehistorica* XLII: 261-274.
- 2014 **E. Zavodny**, S. McClure, B. Culleton, E. Podrug, and D. Kennett. Neolithic animal management practices and stable isotope studies in the Adriatic. *Environmental Archaeology* 19(3): 184-195.
- 2013 G. Milner, G. Chaplin, and **E. Zavodny**. Conflict and societal change in late prehistoric Eastern North America. *Evolutionary Anthropology* 22: 96-102.

Working Papers

- n.d. **E. Zavodny**, S. McClure, M. Welker, B. Culleton, J. Balen, and D. Kennett. Stable isotope markers of herd management and the development of transhumance in Bronze-Iron Age Lika, Croatia. *Journal of Archaeological Science: Reports* (Invited to revise & resubmit)
- n.d. **E. Zavodny**, S. McClure, B. Culleton, J. Balen, and D. Kennett. Recalibrating grave good chronologies: new AMS ^{14}C dates from Bronze-Iron Age Lika, Croatia. *Antiquity* (Under review)
- n.d. **E. Zavodny**. Regional diversity and the development of group identity at the Bronze-Iron Age transition in Lika, Croatia (working title). *American Anthropologist*
- n.d. **E. Zavodny**, S. McClure, B. Culleton, E. Podrug, J. Balen, I. Drnić, and D. Kennett. Investigating past livestock mobility with $\delta^{34}\text{S}$ stable isotopes: three case studies from prehistoric Croatia. Special issue of *Open Quaternary*.

Book Chapters

- 2017 **E. Zavodny**. Arheologija prehrane i okoliša tijekom brončanog i željeznog doba u Lici, in: *Japodi, zaboravljeni gorštaci*, L. Bakarić, ed. Archaeological Museum, Zagreb, pp. 147-152.
- 2017 **E. Zavodny** and L. Bakarić. Život na gradini Veliki Vital, in: *Japodi, zaboravljeni gorštaci*, L. Bakarić, ed. Archaeological Museum, Zagreb, pp. 141-146.

RESEARCH GRANTS, FELLOWSHIPS, AND AWARDS

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- 2015-2017 National Science Foundation Doctoral Dissertation Research Improvement Grant: *Emergence of Inequality at the End of the Bronze Age in Northern Croatia* (BCS-1462124; co-PIs S. McClure and G. Milner, Penn State)
- 2016 Penn State Research and Graduate Studies Office Dissertation Support Fellowship
- 2015 Explorers Club Exploration Grant: *Hillfort Function in Bronze-Iron Age Lika*
- 2014-2015 Fulbright U.S. Student Research Fellowship, Zagreb, Croatia: *The Iapodes: changing burial practices in Bronze Age northern Croatia*.
- 2014-2016 Penn State Office of Global Programs international conference travel awards (x3)
- 2014 Penn State Department of Anthropology Hill Post-Comprehensive Fellowship
- 2013 Penn State Department of Anthropology Hill Pre-Comprehensive Fellowship
- 2012 Penn State Fred Matson Archaeological Institute of America Student Fellowship
- 2012-2016 Anthropology Department travel grants to attend professional meetings (x5)

ARCHAEOLOGICAL FIELD AND LABORATORY EXPERIENCE

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- 2017-present Postdoctoral Scholar, *Cultural and Biological Approaches to Domestic Animal Management in Neolithic Dalmatia*. PIs: S. McClure (Penn State), E. Podrug (Šibenik City Museum), D. Kennett (Penn State). NSF BCS-1430823.
- 2017-present Co-Director, *Exploring social and spatial transformations in Bronze Age Lika, Croatia*. Co-PI: T. Kolak (Lika Regional Museum)
- 2017-present Faunal Specialist, *Brokered Boundaries: Reconstructing Prehistoric Interaction Networks on the Great Hungarian Plain*. PIs: D. Riebe (Chicago Field Museum) and J. Dani (Déri Museum).

- 2011-present Lab Group Member, Human Paleoecology and Isotope Geochemistry, Dept. of Anthropology, Penn State
- 2011-present Lab Group Member, Zooarchaeology Lab, Dept. of Anthropology, Penn State
- 2014-17 Project Member (Field Archaeology, Zooarchaeology, Stable Isotope Analysis), *Cultural and Biological Approaches to Domestic Animal Management in Neolithic Dalmatia*. PIs: S. McClure (Penn State), E. Podrug (Šibenik City Museum), D. Kennett (Penn State). Funded by NSF (BCS-1430823).
- 2010-17 Lab Group Member, Bioarchaeology Lab, Dept. of Anthropology, Penn State
- 2015 Field Archaeologist, Rescue excavations (Baranja, Croatia). PI: J. Balen (Archaeological Museum in Zagreb)
- 2014 Field Archaeologist, *The Palenque Pool Project* (Chiapas, Mexico). PI: K. French (Penn State). Funded by National Geographic Society/Waite Foundation.
- 2012-13 Project Member (Field Archaeologist, Ceramic Analysis, Stable Isotope Analysis), *Neolithic Landscapes of Central Dalmatia: Archaeological Survey, Excavation, and Spatial Analysis*. PIs: S. McClure (Penn State) and E. Podrug (Šibenik City Museum). Funded by National Geographic Society.
- 2012 Field Archaeologist, *The Roman Forum Excavations Project at Butrint*. PI: D. Hernandez, Notre Dame
- 2011 Student Participant, *Medieval Archaeology and Bioarchaeology Field School*, (Badia Pozzeveri, Italy). PIs: C. Larsen (Ohio State) and G. Fornaciari (University of Pisa)
- 2009 Student Research Assistant and Field Archaeologist, Wake Forest Archaeology Laboratories, Dept. of Anthropology
- 2009 Student Participant, *Archaeology Field School in European Prehistory* (Rio Maior, Portugal). PI: P. Thacker (Wake Forest)

INVITED PUBLIC TALKS

- 2018 “Insights on Bronze and Iron Age agriculture from stable isotope analyses in Lika, Croatia. Dept. of Anthropology, University of Central Florida.
- 2016 “The archaeology of diet and environment in Iron Age Lika/ Arheologija prehrane i okoliša tijekom željeznog doba u Lici.” Muzej Like, Gospić, Croatia.
- 2015 “Using stable isotopes to reconstruct diet in prehistoric Croatia.” Institut za arheologiju, Zagreb, Croatia.
- 2013 “Changing Mortuary Practices in the Balkans.” Dept. of Anthropology, Penn State.

PROFESSIONAL PRESENTATIONS (*Invited)

- 2018 **E. Zavodny**, B. Culleton, S. McClure, D. Kennett, and J. Balen. Recalibrating grave good chronologies: new AMS ¹⁴C dates from Bronze-Iron Age Lika, Croatia. Paper, 23rd Annual Meeting, European Association of Archaeologists (EAA), Barcelona, Spain
- 2018 **E. Zavodny**, M. Welker, and S. McClure. A pawsitively interesting prehistory of dogs: new stable isotope and morphometric analyses from Croatia. Poster, 83rd Annual Meeting, Society for American Archaeology (SAA), Washington, D.C.
- 2017* **E. Zavodny** and S. McClure. The cultural ecology of Croatia’s cattle: stable isotope and zooarchaeological analyses of an indigenous breed. Paper, 82nd Annual Meeting, SAA, Vancouver, B.C.

- 2016 **E. Zavodny**, B. Culleton, S. McClure, D. Kennett, and J. Balen. Stable Isotope Markers of Herd Management in Prehistoric Croatia. Paper, 22nd Annual Meeting, European Association of Archaeologists (EAA), Vilnius, Lithuania.
- 2016 **E. Zavodny**, B. Culleton, S. McClure, D. Kennett, E. Podrug, and J. Balen. Differentiating Animal Management Strategies in Prehistoric Croatia Using Stable Isotopes. Paper, Stable Isotopes in Zooarchaeology Workshop: Data Management and New Directions, University of Georgia, Athens.
- 2016 **E. Zavodny**, B. Culleton, S. McClure, D. Kennett, and J. Balen. “The Iapodians in Iron Age Europe: a Stable Isotope and Radiocarbon Dating Program in Northern Croatia.” Poster, 81st Annual Meeting, SAA, Orlando, FL.
- 2015* **E. Zavodny**, B. Culleton, S. McClure, D. Kennett, and J. Balen. “The Iapodians in Iron Age Europe: a stable isotope and radiocarbon dating program in northern Croatia.” Paper, 21st Annual Meeting, EAA, Glasgow, Scotland, UK.
- 2015 **E. Zavodny**, B. Culleton, S. McClure, D. Kennett, J. Balen, and E. Podrug. “Tracking the movement of millet in prehistoric Croatia using stable carbon and nitrogen isotopes.” Paper, Socio-Environmental Dynamics over the Last 12,000 Years Workshop, Kiel, Germany.
- 2014 **E. Zavodny**, B. Culleton, S. McClure, D. Kennett, and J. Balen. “Culture Change at the End of the Bronze Age: Iapodian Burials in Croatia.” Poster, 79th Annual Meeting, SAA, Austin, TX.
- 2013 **E. Zavodny**, B. Culleton, S. McClure, D. Kennett, and E. Podrug. “Stable isotope analyses of domesticated animal bone and teeth in Croatian archaeology.” Poster, 78th Annual Meeting, SAA, Honolulu, HI.
- 2012* **E. Zavodny**, G. Milner, and G. Chaplin. “Temporal and spatial variation in late prehistoric warfare in Eastern North America.” Paper, 77th Annual Meeting, SAA, Memphis, TN

TEACHING EXPERIENCE

Instructor of Record (Penn State; *online)

Introduction to Anthropology*
 Introductory North American Archaeology*
 North American Indians*

Teaching Assistant & Lab Instructor (Penn State)

Introduction to Archaeology (with lab)
 Old World Archaeology

Pedagogical Development

2015 Penn State Graduate Teaching Certificate Program

SERVICE

2017-18 Reviewer, *Journal of Anthropological Archaeology*
 2017-18 Mentor, Wake Forest Anthropology Alumni Mentoring Network
 2016 English language editor, *Prilozi Instituta za arheologiju u Zagrebu*

- 2014-15 EducationUSA, Zagreb, Croatia. Panel member for US college admission processes; workshop director on writing persuasive essays in English
- 2014 Penn State Anthropology Graduate Student Association Film Festival Committee
- 2011 Graduate Student Panel Member, Penn State Undergraduate Anthropology Club

ORGANIZATIONS/AFFILIATIONS

Society for American Archaeology
 European Association of Archaeologists
 Archaeological Institute of America
 International Council for Archaeozoology/ Stable Isotopes in Zooarch Working Group
 Phi Beta Kappa Honor Society (Wake Forest)
 Lambda Alpha (Wake Forest)

LANGUAGES

Serbo-Croatian: proficient (speaking, reading, and writing)
 Spanish: proficient (speaking, reading)

REFERENCES

Sarah B. McClure

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 The Pennsylvania State University
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 Director, Human Paleoecology and Isotope Geochemistry Lab
 Co-Director, PSU Accelerator Mass Spectrometry Radiocarbon Facility
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