

EMILY ZAVODNY

Curriculum Vitae

Department of Anthropology
University of Central Florida
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EDUCATION

- 2017 Ph.D., Anthropology, The Pennsylvania State University
2012 M.A. with distinction, Anthropology, The Pennsylvania State University
2010 B.A. *summa cum laude*, Anthropology (Honors), History, Wake Forest University

ACADEMIC APPOINTMENTS

- 2021- Assistant Professor, Dept. of Anthropology, University of Central Florida
2019-21 NSF SBE Postdoctoral Research Fellow, *Paleoecology and new perspectives on domesticated animals from faunal and stable isotope analyses*,
Dept. of Anthropology, University of Florida
2018-19 Graduate Faculty Scholar and Courtesy Assistant Professor,
Dept. of Anthropology, University of Central Florida
2017-18 Postdoctoral Scholar, Dept. of Anthropology, Penn State
2014-15 Fulbright U.S. Student Fellow, resident at the Archaeological Museum in Zagreb
and Dept. of Archaeology, University of Zagreb, Croatia

RESEARCH AND TEACHING INTERESTS

Human-environment interaction, resilience and sustainability, risk-management strategies, marginal environments, animal husbandry and transhumance, stable isotope geochemistry, faunal analysis, radiocarbon dating, paleoclimate reconstruction, emergence of social complexity and inequality, European prehistory, mortuary archaeology

PUBLICATIONS

Peer-Reviewed Publications

- 2022 M. Welker, **E. Zavodny**, S. McClure, E. Podrug, J. Jović, N. Triozzi, D. Kennett. A wolf in sheep's clothing: the development of livestock guarding dogs in the Adriatic region of Croatia. In press, *Journal of Archaeological Science: Reports*
- 2022 A. Sharpe, B. Arroyo, G. Ajú, J. Estrada, G. Kamenov, E. Serech, **E. Zavodny**, L. Wright. Comparison of human and faunal enamel isotopes reveals diverse paleodiet and exchange patterns at the Highland Maya Site of Kaminaljuyu, Guatemala. *Archaeological and Anthropological Sciences* 14(1): 1-17.
- 2021 J. Hoggarth ... **E. Zavodny**, A. Ventresca Miller. Impacts of the Coronavirus Pandemic on Women, Historically Under-Represented Communities, and Early Career Archaeologists. *Heritage*

- 2021 **E. Zavodny**, A. Solter, J. Balen, D. Kennett, S. McClure, M. Novak. Old finds, new data: Early Bronze Age human remains from Vučedol, eastern Croatia. *Journal of Archaeological Science: Reports* 38: doi.org/10.1016/j.jasrep.2021.103032
- 2020 **E. Zavodny**. Regional Coalescence or Further Regionalization? Identity formation through mortuary rituals at the Bronze-Iron Age transition in Lika, Croatia. *Bioarchaeology International* 4(2): 111-129.
- 2020 S. McClure, **E. Zavodny**, M. Novak, J. Balen, H. Potrebica, I. Janković, D. Kennett. Paleodiet and health in a mass burial population: the stable carbon and nitrogen isotopes from Potočani, a 6200-year-old massacre site in Croatia. *International Journal of Osteoarchaeology* 30: 507- 518
- 2020 E. Podrug, S. McClure, Z. Perhoč, S. Kačar, K. Reed, **E. Zavodny**. Rašinovac near Ždrapanj (Northern Dalmatia)- an Early Neolithic site. *Archaeologia Adriatica* 12:47-97
- 2019 **E. Zavodny**, B. Culleton, S. McClure, J. Balen, D. Kennett. Recalibrating grave good chronologies: new AMS ¹⁴C dates from Bronze-Iron Age Lika, Croatia. *Antiquity* 93: 113-127.
- 2019 **E. Zavodny**, S. McClure, M. Welker, B. Culleton, J. Balen, D. Kennett. Scaling up: stable isotope evidence for the intensification of animal husbandry in Bronze-Iron Age Lika Croatia *Journal of Archaeological Science: Reports* 23: 1055-1065.
- 2017 **E. Zavodny**, B. Culleton, S. McClure, D. Kennett, 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, 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, D. Kennett. Neolithic animal management practices and stable isotope studies in the Adriatic. *Environmental Archaeology* 19(3): 184-195.
- 2013 G. Milner, G. Chaplin, **E. Zavodny**. Conflict and societal change in late prehistoric Eastern North America. *Evolutionary Anthropology* 22: 96-102.

Book Chapters

- 2022 K. Reed, J. Balen, I. Drnić, S. Essert, H. Kalafatić, M. Mihaljević, **E. Zavodny**. Unearthing millet in Bronze and Iron Age Croatia. in: *Millet and What Else? The Wider Context of the Adoption of Millet Cultivation in Europe*, W. Kirleis, M. Dal Corso, and D. Filipović, eds. Sidestone Press.
- 2020 **E. Zavodny**. Stable carbon and nitrogen isotope results from the Sisak Iron Age settlement, in: *Segestica and Siscia – a settlement from the beginning of history*, I. Drnić, ed. Archaeological Museum, Zagreb, pp. 69-72.
- 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.

EXTERNAL RESEARCH GRANTS, FELLOWSHIPS, AND AWARDS

- 2019-21 National Science Foundation Social, Behavioral, & Economic Sciences Postdoctoral Research Fellowship: *Paleoecology and new perspectives on domesticated animals from faunal and stable isotope analyses* (BCS-1911649, \$148,000; co-PI J. Krigbaum)
- 2019 National Geographic Early Career Grant: *Risk and Reward in the Bronze Age: the development of sociopolitical complexity in central Croatia* (EC-53612R-19, \$9740)
- 2015-17 NSF Doctoral Dissertation Research Improvement Grant: *Emergence of Inequality at the End of the Bronze Age in Northern Croatia* (BCS-1462124, \$30,080)
- 2015 Explorers Club Exploration Grant (\$1000): *Hillfort Function in Bronze-Iron Age Lika*
- 2014-15 IIE Fulbright U.S. Student Research Fellowship, Zagreb, Croatia: *The Iapodes: changing burial practices in Bronze Age northern Croatia* (\$17,570)

INTERNAL FELLOWSHIPS AND AWARDS

- 2016 Penn State Research and Graduate Studies Office Dissertation Support Fellowship
- 2014-16 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
- 2012-16 Anthropology Department travel grants to attend professional meetings (x5)

RESEARCH AND FIELDWORK

- current* Stable isotope specialist, Migracije na razmeđu svjetova u svjetlu analize stabilnih izotopa/ Migrations at the crossroads of worlds in light of stable isotope analysis. PI: J. Šućur (University of Zadar).
- current* Zooarchaeologist, *Brokered Boundaries: Reconstructing Prehistoric Interaction Networks on the Great Hungarian Plain*. PIs: D. Riebe (Chicago Field Museum) and J. Dani (Déri Museum). Funded by NSF (BCS-1827362)
- 2019-20 Co-Director with T. Kolak (Muzej Like Gospić), *Risk and Reward in the Bronze Age: the development of sociopolitical complexity in central Croatia*. Funded by National Geographic (EC-53612R-19)
- 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).
- 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/Waitt 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
- 2011-15 Research Assistant, *Late Prehistoric Warfare in Eastern North America: Spatial and Temporal Variation in its Nature and Intensity*. PIs: G. Milner and G. Chaplin (Penn State). Funded by NSF (BCS-1049464)
- 2011-18 Lab Group Member, Penn State Zooarchaeology Lab
- 2011-18 Lab Group Member, Penn State Human Paleoecology and Isotope Geochemistry
- 2010-17 Lab Group Member, Penn State Bioarchaeology Lab

INVITED PUBLIC TALKS

- 2021 “Building the season round: faunal and isotopic evidence for agro-pastoral scheduling in Late Bronze Age Lika, Croatia.” University of New Mexico-Center for Stable Isotopes.
- 2020 “Understanding the Bronze-Iron Age transition in Lika, Croatia.” Undergraduate Anthropology Student Association, University of Florida.
- 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.

PROFESSIONAL PRESENTATIONS (*Invited)

- 2022 **E. Zavodny**, J. Jović, T. Kolak, J. Krigbaum, G. Kamenov. Multi-isotope investigation of transhumance and herd management at a Copper Age site in Lika, Croatia. Submitted paper, 87th Society for American Archaeology (SAA), Chicago.
- 2021 **E. Zavodny**, M. Welker, S. McClure. Fido in the field: new morphometric and stable isotope evidence for human-dog relationships in prehistoric Croatia. Paper, 24th European Association of Archaeologists (EAA), Kiel (online)
- 2020 **E. Zavodny** and J. Krigbaum. Building the seasonal round: faunal and isotopic evidence for agro-pastoral scheduling in Late Bronze Age, Lika, Croatia. Paper, 9th World Archaeological Conference, Prague (postponed)
- 2020 **E. Zavodny**, D. Šušnjić, T. Kolak, J. Krigbaum. Risk and reward in the Late Bronze Age: preliminary faunal and isotopic results from excavations at the Piplica hillfort in Lika, Croatia. Poster, 85th SAA (canceled)
- 2019 McClure, S., E. Podrug, D. Kennett, C. Ebert, J. Jović, N. Triozzi, M. Welker, **E. Zavodny**. Human-animal dynamics of the Neolithic Dalmatian coast of Croatia: A Multi-Proxy Study. Paper, 1st Conference on the Early Neolithic of Europe. Barcelona
- 2019* **E. Zavodny**. Amber runs through it: the centralization of wealth and power in late prehistoric Lika, Croatia. Paper, 84th SAA, Albuquerque
- 2019* C. Ebert and **E. Zavodny**. Societal cycling influenced by climatic variability among early agricultural communities: comparative perspectives from Belize and Croatia. Paper, 84th SAA, Albuquerque

- 2018 **E. Zavodny**, B. Culleton, S. McClure, D. Kennett, J. Balen. Recalibrating grave good chronologies: new AMS ^{14}C dates from Bronze-Iron Age Lika, Croatia. Paper, 23rd EAA, Barcelona
- 2018 **E. Zavodny**, M. Welker, S. McClure. A pawisitively interesting prehistory of dogs: new stable isotope and morphometric analyses from Croatia. Poster, 83rd SAA, DC
- 2017* **E. Zavodny** and S. McClure. The cultural ecology of Croatia's cattle: stable isotope and zooarchaeological analyses of an indigenous breed. Paper, 82nd SAA, Vancouver, B.C.
- 2016 **E. Zavodny**, B. Culleton, S. McClure, D. Kennett, J. Balen. Stable isotope markers of herd management in prehistoric Croatia. Paper, 22nd EAA, Vilnius
- 2016 **E. Zavodny**, B. Culleton, S. McClure, D. Kennett, E. Podrug, J. Balen. Differentiating animal management strategies in prehistoric Croatia using stable isotopes. Paper, Stable Isotopes in Zooarchaeology Workshop, Athens, GA
- 2016 **E. Zavodny**, B. Culleton, S. McClure, D. Kennett, J. Balen. The Iapodians in Iron Age Europe: a stable isotope and radiocarbon dating program in northern Croatia. Poster, 81st SAA, Orlando
- 2015* **E. Zavodny**, B. Culleton, S. McClure, D. Kennett, J. Balen. The Iapodians in Iron Age Europe: a stable isotope and radiocarbon dating program in northern Croatia. Paper, 21st EAA, Glasgow
- 2015 **E. Zavodny**, B. Culleton, S. McClure, D. Kennett, J. Balen, 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
- 2014 **E. Zavodny**, B. Culleton, S. McClure, D. Kennett, J. Balen. Culture change at the end of the Bronze Age: Iapodian burials in Croatia. Poster, 79th SAA, Austin
- 2013 **E. Zavodny**, B. Culleton, S. McClure, D. Kennett, E. Podrug. Stable isotope analyses of domesticated animal bone and teeth in Croatian archaeology. Poster, 78th SAA, Honolulu
- 2012* **E. Zavodny**, G. Milner, G. Chaplin. Temporal and spatial variation in late prehistoric warfare in Eastern North America. Paper, 77th SAA, Memphis

TEACHING AND MENTORING

Graduate Student Committees (UCF)

in progress PhD Committee Member: Alexandra Brock, Jonathan Barkmeier

in progress MA Committee Member: Zachary Kennard

2019 MA Committee Member: Alexandra Brock, Rachel Gregoire

Instructor of Record (UCF)

General Anthropology, Human Species, Human Origins, Forensic Anthropology, Archaeological Sciences

Instructor of Record (Penn State)

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

- 2019 IDL6543: award-winning faculty development program for online teaching (UCF)
 2018 ADL5000: online faculty teaching program (UCF)
 2015 Graduate teaching certificate program (Penn State)

SERVICE

Peer-Reviewer: National Science Foundation, *Journal of Anthropological Archaeology*, *Radiocarbon*, *Proceedings of the Royal Society B*, *Journal of Archaeological Science: Reports*, *Geosciences*, *PLoS One*, *International Journal of Osteoarchaeology*, *American Journal of Biological Anthropology*

English language editor: *Prilozi Instituta za arheologiju u Zagrebu*

ORGANIZATIONS/AFFILIATIONS

Society for American Archaeology; European Association of Archaeologists; Archaeological Institute of America; International Council for Archaeozoology/ Stable Isotopes in Zooarchaeology Working Group; Phi Beta Kappa Honor Society

REFERENCES

John Krigbaum

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 University of California, Santa Barbara
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 Department of Anthropology
 The Pennsylvania State University
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 University of California, Santa Barbara
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