

KATHERINE BRUNSON

Assistant Professor of Archaeology, Wesleyan University
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Lab website: ealab.wescreates.wesleyan.edu

ACADEMIC POSITIONS

- 2020-21 Assistant Professor of Archaeology, Wesleyan University. Affiliated Faculty in the College of East Asian Studies and College of the Environment.
2018-19 Visiting Assistant Professor in Biomolecular Archaeology and Postdoctoral Research Associate in Computational Molecular Biology, Brown University.
2016-18 Postdoctoral Fellow, Joukowsky Institute of Archaeology, Brown University.
2015-16 An Wang Postdoctoral Fellow, Fairbank Center for Chinese Studies, Harvard University.

EDUCATION

- 2015 Ph.D., Dept. of Anthropology, University of California, Los Angeles.
2011 M.A., Dept. of Anthropology, University of California, Los Angeles.
2008 B.A., Harvard College. Concentration in Anthropology. Graduated Magna Cum Laude with Highest Honors and a language citation in Mandarin Chinese.

RESEARCH INTERESTS

Environmental consequences of animal domestication; zooarchaeology; Chinese archaeology; ancient DNA; pastoralism in East Asia; East Asian Holocene fauna; oracle bone divination; animals in ancient Chinese ritual practices; biomolecular approaches in anthropology; bone artifact production; archaeological collections management; 3D scanning for teaching and research.

PUBLICATIONS

Articles in Peer-reviewed Journals/Series:

- 2021 Womack, A., Flad, R., Zhou, J., **Brunson, K.**, Toro, F., Su, X., Hein, A., d'Alpoim Guedes, J., Jin, G., Wu, X., & Wang, H. The Majiayao to Qijia Transition: Exploring the Intersection of Technological and Social Continuity and Change. *Asian Archaeology* 4: 95-120.
- 2020 **Brunson, K.**, Ren, L., Zhao, X., Dong, X., Wang, H., Zhou, J., & Flad, R. Zooarchaeology, Ancient mtDNA, and Radiocarbon Dating Provide New Evidence for the Emergence of Domestic Cattle and Caprines in the Tao River Valley of Gansu Province, Northwest China. *Journal of Archaeological Science: Reports* 31: 102262.
- 2020 Lander, B., Schneider, M., & **Brunson, K.** A History of Pigs in China: From Curious Omnivores to Industrial Pork. *Journal of Asian Studies* 79 (4): 865-889.
- 2019 **Brunson, K.** & Reich, D. The Promise of Paleogenomics Beyond Our Own Species. *Trends in Genetics* 35(5): 319-329.

- 2018 Lander, B. & **Brunson, K.** Wild Mammals of Ancient North China. *Journal of Chinese History* 2(2): 291-312. (This article has also been translated and republished in Chinese: 中国古代华北地区的野生哺乳动物, 黄河文明与可持续发展, 第6辑, 153-185.)
- 2018 Lander, B. & **Brunson, K.** Sumatran Rhinoceros Extirpated from Mainland East Asia by Hunting and Habitat Loss. *Current Biology* 28: R1-R2.
- 2017 Madsen, D.B., Perreault, C., Rhode, D., Sun, Y.J., Yi, M.J., **Brunson, K.**, & Brantingham, P.J. Early Foraging Settlement of the Tibetan Plateau Highlands. *Archaeological Research in Asia* 11:15-26.
- 2017 Lu, P., **Brunson, K.**, Li, Z., & Yuan, J. Zooarchaeological and Genetic Evidence for the Origins of Domestic Cattle in Ancient China. *Asian Perspectives* 56(1): 92-120.
- 2017 Ren, L., Li, X., Kang, L., **Brunson, K.**, Liu, H., Dong, W., Li, H., Min, R., Liu, X., & Dong, G. Human Paleodiet and Animal Utilization Strategies during the Bronze Age in Northwest Yunnan Province, Southwest China. *PLOS ONE* 12(5): e0177867.
- 2016 **Brunson, K.**, Zhao, X., He, N., Dai, X., Rodrigues, A., & Yang, D. New Insights into the Origins of Oracle Bone Divination: Ancient DNA from Late Neolithic Chinese Bovines. *Journal of Archaeological Science* 74: 35-44.
- 2016 **Brunson, K.**, He, N., & Dai, X. Sheep, Cattle, and Specialization: New Zooarchaeological Perspectives on the Taosi Longshan. *International Journal of Osteoarchaeology* 26: 460-475.
- 2014 Li, Z. (李志鹏), **Brunson, K.**, & Dai, L. (戴玲玲) 中原地区新石器时代到青铜时代早期羊毛开发的动物考古学研究 [Zooarchaeological Study of Wool Exploitation from the Neolithic to the Early Bronze Age in the Central Plains]. *第四纪研究 [Quaternary Sciences]* 34(1): 149-157.
- 2013 Jia, X., Dong, G., Li, H., Ma, M., An, C., **Brunson, K.**, Chen, F., Wang, H., & Zhang, K. The Development of Agriculture and its Impact on Cultural Expansion During the Late Neolithic in the Western Loess Plateau, China. *The Holocene* 23(1): 85-92.
- 2010 Lam, Y., **Brunson, K.**, Meadow, R., & Yuan, J. Integrating Taphonomy into the Practice of Zooarchaeology in China. *Quaternary International* 211: 86-90.

Articles and Chapters with Editorial Review:

- 2019 **Brunson, K.** Data in the Bones: Why Zooarchaeology and Archaeogenetics Need Each Other. *SAA Archaeological Record* 19(2): 32-36.
- 2015 **Brunson, K.**, Li, Z., Campbell, R., Li, Y., Ko, J. Experimental Reproduction of Drill Holes in Hairpins from Anyang. Proceedings of the 9th Meeting of the ICAZ Worked Bone Research Group Zhengzhou, China, 2013. Beijing: Cultural Relics Press.
- 2014 Li, Z., Campbell, R., **Brunson, K.**, Yang, J., & Tao, Y. Exploitation of Domestic Animal Products from the Late Neolithic Age to the Early Bronze Age in the Heartland of Ancient China. In: Greenfield, H. (Ed.), *Animal Secondary Products: Domestic Animal Exploitation in Prehistoric Europe, the Near East and the Far East*. Oxbow Books.

- 2012 博凯龄 [Brunson, K.] 中国新石器时代晚期动物利用的变化个案探究—山西省龙山时代晚期陶寺遗址的动物研究 [Shifting Animal Exploitation Patterns in Late Neolithic China: A Zooarchaeological Analysis of the Longshan Period Site of Taosi, Shanxi Province]. 三代考古 [Three Dynasties Archaeology] 4. 科学出版社 [Science Press].

Popular Articles:

- 2019 Schneider, M., Lander, B., & Brunson, K. How the Pig Became a “Pork Factory” in China. *China Dialogue*. Available: www.chinadialogue.net/culture/11394-How-the-pig-became-a-pork-factory-in-China/en
- 2017 Brunson, K. Translation in Archaeology: Chinese and Honduran Colleagues Collaborate in Copan. *Anthropology News* 58 (2): e219-e225. doi.org/10.1111/AN.376

Online Publications:

- 2016 Brunson, K., Li, Z., & Flad, R.K. "Oracle Bones in East Asia." Katherine Brunson, Zhipeng Li, Rowan Flad (Eds.). Released: 2016-04-04. Open Context.
<<http://opencontext.org/projects/27e90af3-6bf7-4da1-a1c3-7b2f744e8cf7>>
doi:10.6078/M74B2Z7J

Reviews:

- 2014 Brunson, K. Review of *Cultural Geography and Interregional Contacts in Prehistoric Liangshan (Southwest China)*, by Anke Hein. Dissertation Reviews, Sept. 17, 2014. dissertationreviews.org/archives/9845

Works in Progress:

Berger, E., Brunson, K., Kaufman, B., Liu, X., Sebillaud, P., Storzum, M., Eng, J., Feinman, G., Flad, R., Garvie-Lock, S., Hrivnyak, M., Lander, B., Wa, Y., Cassel, P. Human Adaptation to Holocene Environments: Perspectives and Promise from China. Accepted at the *Journal of Anthropological Archaeology*.

Jaffee, Y., Hein, A., Womack, A., Brunson, K., Guedes, J., Guo, R., Zhou, J., Ko, J., Wang, H., Li, S., & Flad, R. Complex Pathways Towards Emergent Pastoral Settlements—New Research on the Bronze Age Xindian Culture of Northwest China. Accepted at the *Journal of World Prehistory*.

Brunson, K., Lander, B., Schneider, M. Cattle and People in China: From the Neolithic to the Present. In: Wright, E., & Ginja, C. (eds.), *Cattle and People*. Lockwood Press. Expected publication date of fall 2021.

Brunson, K., Li, Z., Flad, R., Qiao, H., & Wang, Q. “The Social Zooarchaeology of Oracle Bone Divination in Northwest China.” In: Hein, A., Flad, R., & Miller, B. (eds.), *The Art and Archaeology of Ritual and Economy in East Asia: Essays in Honor of Lothar von Falkenhausen*. UCLA: Cotsen Institute Press.

TRANSLATIONS (CHINESE to ENGLISH)

- 2020 Yuan, J. Rethinking the Origins of Animal Domestication in China. *Chinese Archaeology* 20.
- 2019 You, Y., Lu, P., Wang, J., Ma, J., & Ren, M. The Emergence and Early Utilization of Domestic Sheep in Xinjiang. *Chinese Archaeology* 19.
- 2014 Deng, H., Yua, J., Song, G., Wang, C., & Masaki, E. Reexamination of the Domestic Chicken in Ancient China. *Chinese Archaeology* 14.
- 2014 Lu, X., Li, W., Luo, H., Xu, H., Zhao, H., & Yuan, J. Research on the White Pottery, Stamped Hard Pottery, and Proto-porcelains Unearthed at Erlitou. *Chinese Archaeology* 14.
- 2013 He, N. The Longshan period Site of Taosi in Southern Shaanxi Province. In A.P. Underhill (Ed.), *A Companion to Chinese Archaeology* (pp. 255-277). Hoboken, New Jersey: John Wiley and Sons Inc. Translated with Richard Ehrich.
- 2012 Li, Z. The Consumption, Utilization and Supply of Sheep and Goats at the Late Shang Dynasty Capital: A Zooarchaeological Study on Sheep and Goat Remains Unearthed in the Yinxu Area. *Chinese Archaeology* 12.

GRANTS and AWARDS

- 2021 Wesleyan Digital Scholarship Innovation Fund. Funding for student research assistants to 3D scan mammalian skeletal collections used in research and teaching.
- 2021 Wesleyan College of the Environment Sustainability and Environmental Justice Pedagogical Initiative recipient for Introduction to Archaeology.
- 2017 Esherick-Ye Family Foundation Grant for untenured faculty. Fieldwork funding for the Oracle Bones in East Asia Project.
- 2016 Killam Postdoctoral Research Fellowship, University of British Columbia, Canada (offer declined).
- 2014-15 UCLA Dissertation Year Fellowship.
- 2014 Cotsen Institute Friends of Archaeology grant and dissertation research grant.
- 2012 US National Science Foundation Dissertation Improvement Grant.
- 2010 US National Science Foundation Graduate Research Fellowship Program.
- 2009-10 UCLA Chancellor's Prize for summer research.
- 2008 Harvard Hoopes Prize for outstanding undergraduate scholarly senior thesis research.

FIELDWORK, LABORATORY, and COLLECTIONS RESEARCH

- 2015-21 Co-PI of the Oracle Bones in East Asia Project. Research on the origins and development of oracle bone divination. Fieldwork and laboratory analyses of oracle bone collections in museums and archaeological institutes. Our database is published in an open access, multi-language format on Open Context (opencontext.org). In collaboration with Zhipeng Li (IA CASS) and Rowan Flad (Harvard).
- 2016-20 Project zooarchaeologist and excavator for the Tao River Archaeological Project. Project directed by Rowan Flad (Harvard), Hui Wang (Gansu Provincial Institute of Cultural Relics and Archaeology), and Shuicheng Li (Peking University).
- 2018-20 Postdoctoral research on the application of computational biology methods to East Asian cattle ancient DNA. Under the direction of Sohini Ramachandran and Emilia Huerta-Sanchez (Brown University).
- 2013-16 Collections research for the Copan Recontextualization Project. Project to re-attribute provenience information to artifacts in storage at Centro Regional de Investigaciones Arqueológicas, Copan, Honduras in preparation for conservation, rehousing, and exhibition. Included supervision and mentoring of undergraduate and graduate students in the field as well

as training and assisting local Honduran staff in collections management techniques and best practices. Under the direction of Barbara Fash (Harvard) and Norman Martínez (Instituto Hondureño de Antropología e Historia).

- 2015 Liaison for the IHAH and IA CASS Copan Archaeology Project. Provided support and training of Chinese professionals and graduate students in excavation methods and recording protocols for the first Chinese-run archaeology project in Latin America. Under the direction of Xinwei Li (IA CASS) and Jorge Ramos (Project Co-Director).
- 2013-14 Dissertation fieldwork, excavation, and faunal analysis at Taosi and Zhoujiazhuang, Shanxi Province. In collaboration with Nu He (IA CASS), Xiangming Dai (National Museum of China), and Jing Yuan (IA CASS). Ancient DNA laboratory research on ancient Chinese cattle. In collaboration with Xin Zhao (IA CASS) and Dongya Yang (Simon Frasier University).
- 2012 Zooarchaeological research at the Shang Dynasty Tiesanlu bone workshop, Anyang, Henan Province with the Tiesanlu Zooarchaeology Project. Under the direction of Zhipeng Li (IA CASS) and Roderick Campbell (New York University).
- 2010-11 Survey, excavation, and laboratory analysis of Paleolithic sites and artifacts from Qinghai Province with the Tibet Paleolithic Project. Under the direction of P. Jeffrey Brantingham (UCLA), David Madsen (U Texas, Austin), and David Rhode (Desert Research Institute).
- 2009 Survey in Pixian, Sichuan with the Chengdu Plains Archaeological Survey project.
- 2009 Excavation Coordinator, Rastrojón Archaeology Project, Copan, Honduras.

SELECTED ACADEMIC PRESENTATIONS

- 2021 Brunson, K. "Archaeological and Paleogenetic Research on Cattle, Sheep, and Goat Domestication in Northwest China." Wesleyan University Earth and Environmental Sciences Departmental Seminar Series. Middletown, CT. April 6, 2021.
- 2021 Brunson, K. "The Future of Ancient DNA Research on Animal Domestication in China." Association for Asian Studies, virtual meeting. Feb. 27 and March 22, 2021.
- 2020 Brunson, K. "Ancient DNA and the Future of Zooarchaeological Research on East Asian Cattle." Wesleyan University Natural Sciences and Mathematics lunch talk series. Middletown, CT. March 6, 2020.
- 2019 Brunson, K. "中国甘青地区动物考古学新发现" [New Zooarchaeological Discoveries in the Gansu-Qinghai Region of China]. Lecture presented in Chinese at the conference 早期文化交流: 路径与社会 (临洮 2019) [Early Cultural Exchange: Routes and Society (Lintao 2019)]. Lintao, China. July 9, 2019.
- 2019 Brunson, K. Li, Z., & Flad, R. "The Social Zooarchaeology of Oracle Bone Divination in Northwest China." Invited lecture presented at The Art and Archaeology of Ritual and Economy in East Asia: Workshop and Symposium in Honor of Lothar von Falkenhausen. University of California, Los Angeles. June 5, 2019.

- 2019 Brunson, K. "Cattle Domestication in East Asia: Recent Zooarchaeological and Genetic Advances." Invited talk for the Yale University Dept. of Anthropology Brown Bag series. New Haven CT, USA. April 12, 2019.
- 2018 Brunson, K. "Zooarchaeological Research at Dayatou, Qijiaping, and Huizuiwa, Northwest China." Society for East Asian Archaeology (SEAA) meetings, Nanjing, China. June 9, 2018.
- 2018 Brunson, K. "大地湾遗址的野生动物—以苏门犀为例" [Wild Animals at Dadiwan: The Case of the Sumatran Rhinoceros]. Invited lecture presented in Chinese at the conference "Neolithic Culture and Technology: An International Symposium on the Site of Dadiwan," Qin'an, China. May 29, 2018.
- 2018 Brunson, K. Invited panelist on ethics in ancient DNA research. Society for Molecular Biology and Evolution (SMBE) Meeting on Modern Methods for the Study of Ancient DNA. Providence RI, USA. April 6, 2018.
- 2018 Brunson, K. "The Ancient DNA Revolution in Zooarchaeology." SMBE Meeting on Modern Methods for the Study of Ancient DNA. Providence RI, USA. April 5, 2018.
- 2017 Brunson, K. "Fake Inscriptions, Real Oracle Bones." Invited talk for the "Fakes" lecture series at the Joukowsky Institute for Archaeology, Brown University, Providence RI. Nov. 29, 2017.
- 2017 Brunson, K. "Oracle Bone Divination in East Asia and the Oracle Bone Database Project." Invited lecture at Boston University, Boston MA, USA. April 5, 2017.
- 2017 Brunson, K., Ren, L., & Ko, J. "Preliminary Faunal Analysis of Qijiaping, Gansu Province: Corvids and Ritual in the Qijia Culture." Society for American Archaeology (SAA) meetings, Vancouver BC, Canada. March 30, 2017.
- 2016 Brunson, K. "Ancient DNA Approaches to Zooarchaeological Research in China." SEAA Meetings, Boston MA, USA. June 9, 2016.
- 2016 Brunson, K., Li, Z., & Flad, R.K. "Tracing the Origins and Development of Divination Rituals in Ancient China." SAA meetings, Orlando FL, USA. April 8, 2016.
- 2016 Brunson, K. "中国牛和鸡的古 DNA 研究问题 [Questions about Chinese Cattle and Chicken aDNA Research]." Lecture presented in Chinese at the seminar "青年学者的中国考古学思考 [Thoughts of Young Scholars on Chinese Archaeology]," Cambridge MA, USA. Feb. 25, 2016.
- 2015 Brunson, K., Hartford, A., Fash, B., Fash, W., Barnard, H., & Faull, K. "Residue Analysis of Ceramic Vessels from the Copan Sub-Stelae Cache Offerings." SAA Meetings, San Francisco CA, USA. April 18, 2015.
- 2014 Brunson, K. "Sheep and Cattle Exploitation at the Late Neolithic Longshan Period sites of Taosi and Zhoujiazhuang." International Conference for Archaeozoology (ICAZ), San Rafael, Argentina. Sept. 24, 2014.
- 2014 Brunson, K., Zhao, X., Yang, D., He, N., & Dai, X. "Ancient DNA from Chinese Cattle and Wild Aurochs Oracle Bones." ICAZ meetings, San Rafael, Argentina, Sept. 25, 2014.

- 2013 Brunson, K., Campbell, R., Li, Z., Li, Y., Ko, J., & He, Y. "Zooarchaeology and Experimental Reproduction of Hairpins at Anyang." 9th ICAZ Worked Bone Research Group meeting, Zhengzhou, China. April 15, 2013.

PUBLIC PRESENTATIONS

- 2018 Brunson, K. "大崖头，齐家坪，与灰嘴山遗址的动物考古研究 [Zooarchaeological Research at Dayatou, Qijiaping, and Huizuiwa]. Public lecture presented in Chinese to the Majiayao Cultural Research Group, Lintao, Gansu Province, China. June 4, 2018.
- 2015 Brunson, K., Hartford, A., Fash, B., Fash, W., Barnard, H., & Faull, K. "Conferencia Pública: Análisis de Residuos de las Ofrendas Cerámicas Sub-Estelas de Copán [Public Lecture: Residue Analysis of Ceramic Vessels from the Copan Sub-Stelae Cache Offerings]." Public lecture presented in Spanish in Copan, Honduras, July 29, 2015.

MEDIA COVERAGE

"Virtually Within Reach" by Olivia Drake. Wesleyan University Magazine, May 28 2021.
<http://magazine.blogs.wesleyan.edu/2021/05/28/virtually-within-reach/>

TEACHING EXPERIENCE

Courses at Wesleyan University:

ARCP203 Secrets of Ancient Bones: Discovering Ancient DNA and Archaeology (introductory survey course); Spring 2021, taught as a hybrid in-person/online course; Spring 2020, taught in-person and shifted to online mid-way through semester.

ARCP204 Introduction to Archaeology (introductory survey course); Fall 2020, taught as a hybrid in-person/online course.

ARCP257 Environmental Archaeology (lab methods course); Spring 2021, taught in-person; Spring 2020, taught in-person and shifted to online mid-way through semester.

ARCP291 East Asian Archaeology (seminar); Fall 2020, taught online.

Courses at Brown University:

Animals and Archaeology (undergraduate/graduate zooarchaeology lab methods course); Spring 2019 and Spring 2017.

Secrets of Ancient Bones: Discovering Ancient DNA (undergraduate lecture course); Fall 2018 and Fall 2017.

Biomolecular Approaches in Archaeology (graduate seminar); Spring 2018.

Discovering East Asian Archaeology (undergraduate seminar); Fall 2016.

Guest Lectures and Other Teaching Experience:

At Wesleyan University:

"Introduction to Archaeological Science" lecture for undergraduates participating in Wesleyan Center for Integrative Sciences Summer Program, July 18, 2021.

"Human Evolution" guest lecture for *BIOL214 MacroEvolution, Pattern, and Process*, Ann Burke, Wesleyan Univ., April 22, 2021.

"Introduction to Archaeological Science" guest lecture for *CIS122 Research Frontiers in the Sciences*, Ellen Thomas, Wesleyan Univ., April 9, 2021.

“Animal Domestication in Ancient China” guest lecture for *HIST223 Traditional China: Eco-civilization and its Discontents*, Ying-Jia Tan, Wesleyan Univ., Feb.6, 2020.

At Brown University:

“Ethics in Genomics Research” and “Ancient DNA Methods” guest lectures for *BIOL1465 Human Population Genomics*, Emilia Huerta-Sanchez, Brown Univ., Nov.12 and 19, 2019.

“Zooarchaeology and Vertebrate Taphonomy” guest lecture for *ARCH0763 The Private Life of the Privy: A Secret History of Toilets*, Jennifer Bates, Brown Univ., Feb.27, 2019.

“The Shang” guest lecture for *ARCH1707 Seven Wonders*, John Cherry, Brown Univ., Nov.19, 2018.

“Introduction to Zooarchaeology” guest lecture for *ARCH0100 Field Archaeology in the Ancient World*, Laurel Bestock, Brown Univ., Nov.10, 2017.

“Ancient DNA Methods” guest lecture for *ARCH2852 Skills Training in Material Culture Studies II* (graduate seminar), Brown Univ., Mar.24, 2017.

“Alcohol in Ancient China” guest lecture for *ARCH1787 Alcohol in the Ancient World*, Tate Paulette, Brown Univ., Nov.29, 2016.

“Zooarchaeological Methods” guest lecture for *ARCH2851 Skills Training in Material Culture Studies I* (graduate seminar), Brown University, Nov.25, 2016.

Other Teaching Experience:

“Animals in Ancient China” guest lecture for *Ancient Chinese Art and Archaeology*, Paola Dematte, Rhode Island School of Design, Oct.5, 2016.

“Plant and Animal Domestication in Ancient China” guest lecture for *ANTH112b Six Menus: The Archaeology of Food and Drink*, Jennifer Carballo, Brandies University, Mar.14, 2016.

UCLA Graduate Student Teaching Assistant for Introduction to Archaeology (2 quarters, 2010-2011, 60 students each quarter) and Human Evolution (1 quarter, 2011, 60 students).

Assistant Instructor for the Harvard Copan Archaeology Field School, 2008.

STUDENT RESEARCH SUPERVISION AT WESLEYAN UNIVERSITY

Undergraduate Theses (Reader):

Andrew Rogers (BA Class of 2021). BA thesis: “Going Back to the Roots: A Phytochemical Investigation of the use of Iris in the Ancient Mediterranean.”

Audrey Lam (BA Class of 2020). BA thesis: “Il far dela cola: Examining 16th Century Techniques of Steelmaking through Translation and Experimental Archaeology.”

Undergraduate Research:

Student-produced research, exhibits, and outreach projects are available on the Environmental Archaeology Lab website: ealab.wescreates.wesleyan.edu

Nina Hirai (BA Class of '23)

Head lab assistant, Spring and Summer 2021: website design, cataloging collections, video production, and 3D scanning. Research assistant for the Oracle Bones in East Asia Project, Summer 2020: data and photo editing.

Nick Bowman (BA Class of '23)

Lab assistant, Spring 2021: prepared educational modules about stone tools and paleoanthropology.

Elizabeth Cooper (BA Class of '24)

Lab assistant, Spring 2021: prepared educational modules about flintknapping.

Andy Tan (BA Class of '21)

Lab assistant, Summer 2020-Spring 2021; 3D scanning of Wesleyan collections.

Yu Kai Tan (BA Class of '20, Earth and Environmental Science MA Class of '21)

Lab assistant, Summer 2020-Spring 2021; 3D scanning of Wesleyan collections.

Haley Brumberger (Earth and Environmental Science MA Class of '21).

Lab assistant, Summer 2020-Spring 2021: 3D scanning of Wesleyan collections.

Audrey Lam (BA Class of '20)

Research assistant for the Oracle Bones in East Asia Project, Summer 2020: data and photo editing.

Summer Research Fellowships:

Fletcher Levy (BA Class of '23), secondary advisor

College of the Environment Summer Research Fellowship (2021). Cataloging vertebrate osteology collections.

Vivian Gu (BA Class of '23), secondary advisor

College of Integrative Sciences Summer Research Fellowship (2021). Cataloging taxidermy bird collections.

Nick Bowman (BA Class of '23), secondary advisor

College of the Environment Summer Research Fellowship (2021). Paleoenvironmental research on the ancient Mediterranean.

Course Assistants:

Avnish Kulkarni (BA Class of '24), ARCP203, Spring 2021

Designed virtual exhibit about paleoanthropology; 3D scanning.

Kiran Kowalski (BA Class of '23), ARCP203, Spring 2021

Designed virtual exhibit about paleoanthropology; 3D scanning.

Fletcher Levy (BA Class of '23), ARCP257, Spring 2021

Designed class project to catalog and rehouse osteology collections.

Nick Bowman (BA Class of '23), ARCP204, Fall 2020

Designed fieldtrip to document local gravestones in Middletown, CT.

Nina Hirai (BA Class of '23), ARCP204, Fall 2020

Designed fieldtrip to document local gravestones in Middletown, CT.

Student Theses and Research Projects Advised at Brown University:

Michael Garth (Brown, Class of 2019). BA thesis: "An Archaeological Experiment on the Effects of Excavation Techniques on DNA Contamination."

Angela Marie Teng (Brown, Class of 2017). BA thesis: "Colonialism and Contact: Continuity and Change in Philippine Ceramic Trade from the 14th through 18th Centuries."

Jake Gardner (Brown, Class of 2018). Joukowsky Undergraduate Apprenticeship Program.

SERVICE at WESLEYAN UNIVERSITY

2020-21 3D scanning at Wesleyan project. Led an interdepartmental group of faculty and students to create 3D models of Wesleyan's collections. Models were used in for teaching online and hybrid courses during the COVID-19 pandemic.

2020-21 Faculty advisor (with Ann Burke and Ellen Thomas) for a group of Wesleyan faculty, staff, and students who are cataloging, researching, and preparing public exhibits about the university's natural history collections.

2020-21 Organizer, College of East Asian Studies annual Enzheng Tong Memorial Lecture in East Asian Archaeology.

2020-21 College of East Asian Studies Collections and Exhibits Committees.

PROFESSIONAL SERVICE

2018-21 Editorial Board, BAR East Asian Archaeology Series.

2014-21 Peer reviewer, *Animal Frontiers* (1 article); *Antiquity* (3 articles); *Archaeological Research in Asia* (2 articles); *Asian Perspectives* (2 articles); *BAR International Series* (2 book manuscripts); *Environmental Archaeology* (1 article); *International Journal of Osteoarchaeology* (5 articles); *Journal of Indo-Pacific Archaeology* (1 article); *Quaternary International* (1 article).

2018-19 Lead conference organizer, “State of the Field: The Ancient DNA Revolution in Archaeology.” Brown University, Feb. 22-23, 2019. Conference proceedings available at: <http://brown.edu/go/soff2019>

2016 Conference planning, Society for East Asian Archaeology, June 2016, Boston MA.

2015 Translator, Shanghai World Archaeology Forum, Dec. 2015, Shanghai China.

PUBLIC OUTREACH

2021 “Animal Expert” presentation to 6th-8th grade Girl Scouts earning their Animal Helpers Badge. Wesleyan Animal Defense League student group. May 8, 2021.

2019 “State of the Field 2019: The Ancient DNA Revolution in Archaeology” website with educational resources available: <http://brown.edu/go/soff2019>

2018 Instructor, “Think Like an Archaeologist” 6th Grade Program, Haffenreffer Museum of Anthropology (10 hours of workshops in public middle schools, Providence RI).

2017-18 Faculty discussant, “See the movie...then think about it” public screenings of “The Mummy” and “Tomb Raider,” Joukowsky Institute, Brown University.

2016-18 Volunteer, Joukowsky Public Archaeology Day, Zooarchaeology Activity Table.

2016 Volunteer, Zooarchaeology Lab Public Open House, Peabody Museum.

2010-15 Volunteer, Cotsen Institute of Archaeology Annual Public Open House.

ARCHAEOLOGICAL AND FAUNAL COLLECTIONS MANAGEMENT

2020-21 Director of the Wesleyan University Environmental Archaeology Laboratory.

2015 Attended conservation course “Programa Santander/COEDMAC (Conservación, Educación, y Desarrollo Museos Copán),” Copan, Honduras, July 22-31, 2015. Included techniques for safe

handling, storage, preventative conservation, movement, and display of archaeological artifacts.
Instructor Dr. Laura Filloy Nadal, INAH, Mexico.

2010 Vertebrate skeleton preparation and cataloging, Zooarchaeology Lab, Cotsen Institute of Archaeology, UCLA.

2008 Summer internship at the Peabody Museum of Archaeology and Ethnography, Cambridge MA. Training in artifact handling techniques, NAGPRA compliance, and The Museum System software.

LANGUAGES

Full working proficiency in Mandarin Chinese (Advanced Modern Chinese).
Limited working proficiency in Spanish (Basic Spanish).