

CURRICULUM VITAE

XINYI LIU

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APPOINTMENTS

- 2020-present Associate Professor, Department of Anthropology, Washington University in St. Louis
2014-present Director, Laboratory for the Analysis of Early Food-webs (LAEF), Washington University in St. Louis
2014-2020 Assistant Professor, Department of Anthropology, Washington University in St. Louis
2010-2014 Postdoctoral Research Associate (European Research Council), McDonald Institute for Archaeological Research, University of Cambridge
2009-2013 Research Fellow, Darwin College, University of Cambridge

EDUCATION

- 2005-2010 Ph.D. (*Cantab*), Department of Archaeology, University of Cambridge
2004-2005 Visiting Research Student (Mellon Foundation Research Fellow), Needham Research Institute, Cambridge
2002-2005 Postgraduate Study (Archaeological Sciences), Laboratory for Archaeometry and Archaeological Science, University of Science and Technology of China
1997-2001 BSc (Engineering Science), Beijing Institute of Light Industry

PUBLICATIONS

Peer-reviewed Journal Articles:

- Liu, X.**, and R. E. B. Reid. *Minor revision*. The prehistoric roots of Chinese cuisines: Mapping staple food systems of China, 6000 BC -220 AD. *PLOS ONE*.
Lu, H., X. Chen, Z. Zhang, T. Li, X. Lemoine, S. Wangdue, Z. Chen, **X. Liu**, and M. D. Frachetti. *In press*. Early agropastoral settlement and cultural change in central Tibet in the first millennium BC: Excavations at Bangga. *Antiquity*.
Wang, W., Y. Liu, F. Duan, J. Zhang, **X. Liu**, R. E. B. Reid, M. Zhang, W. Dong, Y. Wang, Q. Ruan, W. Li, and C.-B. An. 2020. A comprehensive investigation of Bronze Age human dietary strategies from different altitudinal environments in the Inner Asian Mountain Corridor. *Journal of Archaeological Science*. 121, available online, DOI: 10.1016/j.jas.2020.105201.

- Pokharia, A. K., S. K. Kharakwal, S. Sharma, M. Spate, D. Tripathi, A. P. Dimri, **X. Liu**, B. Thakur, S. K. Basumatary, A. Srivastava, K. S. Mahar, and K. P. Singh, 2020. Variable monsoons and human adaptations: Archaeological and palaeoenvironmental records during the last 1400 years in north-western India. *The Holocene*, available online, DOI: 10.1177/0959683620919976.
- Zhang, Z., Z. Chen, F. Marshall, H. Lü, X. Lemoine, T. Wangyal, T. Dorje, and **X. Liu**, 2019. The importance of hunting of diverse animals at Xiaoenda (5000 - 4000 BP), East Tibet. *Quaternary International*, 529, 38-46.
- Motuzaitė Matuzevičiūtė, G., E. Lightfoot, **X. Liu**, J. Jacob, A. K. Outram, V. F. Zaibert, S. Zakharov, and M. K. Jones, 2019. Archaeobotanical investigations at the earliest horse herder site of Botai in Kazakhstan. *Journal of Archaeological and Anthropological Science*, 11(11), 6243-6258.
- Liu, X.**, P.J. Jones, G. Motuzaitė Matuzevičiūtė, H.V. Hunt, D.L. Lister, T. An, N. Przelomska, C.J. Kneale, Z. Zhao & M.K. Jones, 2019. From ecological opportunism to multi-cropping: mapping food globalisation in prehistory. *Quaternary Science Reviews*, 206(15), 21-8.
- Reid, R.E.B., L. Lalk, F. Marshall & **X. Liu**, 2018. Carbon and nitrogen isotope variability in the seeds of two African millet species: *Pennisetum glaucum* and *Eleusine coracana*. *Rapid Communications in Mass Spectrometry*, 32(19), 1693-702.
- Lister, D.L., H. Jones, H.R. Oliveira, C.A. Petrie, **X. Liu**, J. Cockram, C.J. Kneale, O. Kovaleva & M.K. Jones, 2018. Barley heads east: Genetic analyses reveal routes of spread through diverse Eurasian landscapes. *PLOS ONE*, 13(7), e0196652.
- Tian, D., J. Ma, J. Wang, T. Pilgram, Z. Zhao & **X. Liu**, 2017. Cultivation of naked barley by early Iron Age agro-pastoralists in Xinjiang, China. *Environmental Archaeology*, 23(4), 416-25.
- Liu, X.**, D.L. Lister, Z. Zhao, C.A. Petrie, X. Zeng, P.J. Jones, R. Staff, A.K. Pokharia, J. Bates, R.N. Singh, S.A. Weber, G. Motuzaitė Matuzevičiūtė, G. Dong, H. Li, H. Lü, H. Jiang, J. Wang, J. Ma, D. Tian, G. Jin, L. Zhou, X. Wu & M.K. Jones, 2017. Journey to the East: diverse routes and variable flowering times for wheat and barley *en route* to prehistoric China. *PLOS ONE*, 12(11), e0209518.
- Dong, G., Y. Yang, **X. Liu**, H. Li, Y. Cui, H. Wang, G. Chen, J. Dodson & F. Chen, 2017. Prehistoric trans-continental cultural exchange in the Hexi Corridor, northwest China. *The Holocene*, 28(4), 621-8.
- Liu, X.**, Z. Zhao & M.K. Jones, 2017. From people's commune to household responsibility: Ethnoarchaeological perspectives of millet production in prehistoric northeast China. *Archaeological Research in Asia*, 11, 51-7.
- Song, J., H. Lu, Z. Zheng & **X. Liu**, 2017. Archaeobotanical remains from the mid-first millennium AD site of Kaerdong in western Tibet. *Archaeological and Anthropological Sciences*, 10(8), 2015-26.
- Ren, X., X. Lemoine, D. Mo, T.R. Kidder, Y. Guo, Z. Qin & **X. Liu**, 2016. Foothills and intermountain basins: Does China's Fertile Arc have a 'Hilly Flanks'? *Quaternary International*, 426(28), 86-96.

- Liu, X.**, D.L. Lister, Z.-Z. Zhao, R.A. Staff, P.J. Jones, L.-P. Zhou, A.K. Pokharia, C.A. Petrie, A. Pathak, H.-L. Lu, G. Motuzaite Matuzeviciute, J. Bates, T.K. Pilgram & M.J. Jones, 2016. The virtues of small grain size: Potential pathways to a distinguishing feature of Asian wheats. *Quaternary International*, 426(28), 107-9.
- Dong, G., L. Ren, X. Jia, **X. Liu**, S. Dong, H. Li, Z. Wang, Y. Xiao & F. Chen, 2016. Chronology and subsistence strategy of Nuomuhong culture in the Tibetan Plateau. *Quaternary International*, 426(28), 42-9.
- Liu, X.**, R.E.B. Reid, E. Lightfoot, G. Motuzaite Matuzeviciute & M.K. Jones, 2016. Radical change and dietary conservatism: Mixing model estimates of human diets along the Inner Asia and China's mountain corridors. *The Holocene*, 26(10), 1556-65.
- Jones, M.K., H. Harriet, C.J. Kneale, E. Lightfoot, D. Lister, **X. Liu** & G. Motuzaite Matuzeviciute, 2016. Food Globalisation in Prehistory: the agrarian foundation of an interconnected continent. *Journal of the British Academy*, 4, 73-87.
- Dong, G., D. Zhang, **X. Liu***, F. Liu, F. Chen, and M. Jones. 2015. Response to comment on "Agriculture facilitated permanent human occupation of the Tibetan Plateau after 3600 B.P.". *Science* 348 (6237), 872.
- Cui, Y., G. Dong, H. Li, T. An, **X. Liu**, J. Wang, H. Wang, X. Ren, X. Li, and F. Chen. 2015. Early ceramic trade in Gansu and Qinghai regions, northwest China: A comparative elemental analysis on sherds of Majiayao culture, Yangshao culture and Qijia culture. *Journal of Archaeological Science: Reports* 3, 65-72.
- Motuzaite Matuzeviciute, G., E. Lightfoot, T. C. O'Connell, D. Voyakin, **X. Liu**, S. Svyatko, E. Usmanova, and M. K. Jones. 2015. The extent of cereal cultivation among the Bronze Age to Turkic period societies of Kazakhstan determined using stable isotope analysis of bone collagen. *Journal of Archaeological Science* 59, 23-34.
- Zhang, G., S. Wang, D. K. Ferguson, Y. Yang, **X. Liu**, and H. Jiang. 2015. Ancient plant use and palaeoenvironmental analysis at the Gumugou cemetery, Xinjiang, China: Implication from desiccated plant remains. *Archaeological and Anthropological Science* 9 (2), 145-152.
- Chen, F., F. Dong, D. Zhang, **X. Liu**, X. Jia, C. An, M. Ma, Y. Xie, L. Barton, X. Ren, Z. Zhao, X. Wu, and M. K. Jones. 2015. Agriculture facilitated permanent human occupation of the Tibetan Plateau after 3600 B.P. *Science* 347 (6219), 248-250.
- Liu, X.**, E. Lightfoot, T. C. O'Connell, H. Wang, S. Li, L. Zhou, Y. Hu, G. Motuzaite Matuzeviciute, and M. K. Jones. 2014. From necessity to choice: dietary revolutions in west China in the second millennium BC. *World Archaeology* 46 (5), 661-680.
- Liu, X.**, and M. K. Jones. 2014. Food globalisation in prehistory: top down or bottom up? *Antiquity* 88 (341), 956-963.
- Lightfoot, E., G. Motuzaite Matuzeviciute, T. C. O'Connell, I. A. Kukushkin, V. Loman, V. Varfolomeev, **X. Liu**, and M. J. Jones. 2014. How 'pastoral' is

- pastoralism? Dietary diversity in Bronze Age communities in the central Kazakhstan steppes. *Archaeometry* 57 (S1), 232-249.
- Ma, M., G. Dong, **X. Liu**, E. Lightfoot, F. Chen, H. Wang, H. Li, and M. K. Jones. 2015. Stable isotope analysis of human and animal remains at the Qijiaping site in middle Gansu, China. *International Journal of Osteoarchaeology* 25 (6), 923-934.
- Lightfoot, E., **X. Liu**, and M. K. Jones. 2013. Why move starchy cereals? a review of the isotopic evidence for prehistoric millet consumption across Eurasia. *World Archaeology* 45 (4), 574-623.
- Ma, M., G. Dong, E. Lightfoot, H. Wang, **X. Liu**, X. Jia, K. Zhang, and F. Chen. 2014. Stable isotope analysis of human and faunal remains in the western loess plateau, approximately 2000 cal. BC. *Archaeometry* 56 (S1), 237-255.
- Motuzaitė Matuzevičiūtė, G., R. A. Staff, H. V. Hunt, **X. Liu**, and M. K. Jones. 2013. The early chronology of broomcorn millet (*Panicum miliaceum*) in Europe. *Antiquity* 87 (338), 1073-1085.
- Liu, X.**, M. K. Jones, Z. Zhao, G. Liu, and T. C. O'Connell. 2012. The earliest evidence of millet as a staple crop: New light on Neolithic foodways in North China. *American Journal of Physical Anthropology* 149 (2), 238-290.
- Jones, M. K., H. V. Hunt, E. Lightfoot, D. Lister, **X. Liu**, and G. Motuzaitė Matuzevičiūtė. 2011. Food globalization in prehistory. *World Archaeology* 43 (4), 665-75.
- Jones, M. K., and **X. Liu**. 2009. Origins of agriculture in East Asia. *Science* 324 (5928), 730-731.
- Liu, X.**, H. V. Hunt, and M. K. Jones. 2009. River valleys and foothills: changing archaeological perceptions of north China's earliest farms. *Antiquity* 83 (319), 82-95.
- Hunt, H. V., M. V. Linden, **X. Liu**, G. Motuzaitė Matuzevičiūtė, S. Colledge, and M. K. Jones. 2008. Millets across Eurasia: chronology and context of early records of the genera *Panicum* and *Setaria* from archaeological sites in the Old World. *Vegetation History and Archaeobotany* 17, 5-18.
- Liu, X.**, and M. K. Jones. 2008. When archaeology begins: the cultural and political context of Chinese archaeological thought. *Bulletin of History of Archaeology* 18(1), 25-27.
- Liu, X.**, J. Zhu, and Y. Yan. 2007. The application of statistical analyses in study of pottery typologies in the Shang period. *Southern Cultural Relics* 63, 66-71. (*in Chinese*)
- Liu, Y., J. Song, and **X. Liu**. 2007. Analyses of bronze casting materials from Zhouyuan. *Journal of Archaeology and Cultural Relics* 4, 94-100. (*in Chinese*)
- Hu, Y., D. He, **X. Liu**, Y. Dong, C. Wang, M. Gao, and Y. Lan. 2006. Elemental analysis of human bones from Xigongqiao, Tengzhou, Shandong. *Chemical Journal of Chinese Universities* 27, 1075-1079. (*in Chinese*)
- Wen, R., F. Hu, X. Zhao, **X. Liu**, Z. Mao, Z. Chen, and C. Wang. 2004. Preliminary analysis of thermal performance of pottery sherds excavated from

Xishan. *Journal of University of Science and Technology of China* 34 (5), 643-646. (in Chinese)

Peer-reviewed Book Chapters:

- Liu, X.**, E. Lightfoot & D. Fuller, 2018. Introduction: Far from the hearth, in *Far from the Hearth: Essays in Honour of Martin K. Jones*, eds. E. Lightfoot, X. Liu & D. Fuller. Cambridge: McDonald Institute Conversations, 1-3.
- Liu, X.**, G. Motuzaitė Matuzevičiūtė & H.V. Hunt, 2018. From a fertile idea to a fertile arc: The origins of broomcorn millet 15 years on, in *Far from the Hearth: Essays in Honour of Martin K. Jones*, eds. E. Lightfoot, X. Liu & D.Q. Fuller. Cambridge: McDonald Institute Conversations, 155-64.
- Lightfoot, E., **X. Liu** & P.J. Jones, 2018. A world of C₄ pathways: On the use of δ¹³C values to identify the consumption of C₄ plants in archaeological record, in *Far from the Hearth: Essays in Honour of Martin K. Jones*, eds. E. Lightfoot, X. Liu & D.Q. Fuller. Cambridge: McDonald Institute Conversations, 165-76.
- Liu, X.**, E. Margaritis & M.K. Jones, 2018. From the harvest to the meal in prehistoric China and Greece: A comparative approach to the social context of food, in *Ancient Greece and China Compared*, eds. G. Lloyd, G. Dong & J.J. Zhao. Cambridge: Cambridge University Press, 355-72.
- Liu, X.**, 2016. Stable isotope analysis of human and animal remains from Ganguya and Sanbadongzi, in *Report on the Archaeological Excavation of Ganguya Cemetery*, ed. S. Li. Beijing: Cultural Relics Publishing House, 406-14. (刘歆益：《干骨崖与三坝洞子出土人和动物骨骼稳定同位素分析》，见北京大学考古文博学院，甘肃省文物考古研究所编著《酒泉干骨崖》，北京：文物出版社，2016年，第406-414页。)
- Liu, X.**, D. Fuller, and M. K. Jones. 2015. Early agriculture in China. In *The Cambridge World History - Volume II: A world with agriculture, 12,000 BCE-500CE*, edited by G. Barker and C. Goucher. Cambridge: Cambridge University Press, 310-334.
- Liu, X.**, Z. Zhao, and G. Liu. 2015. Xinglonggou. In *The Cambridge World History, Volume II - A World with Agriculture, 12,000 BCE-500 CE* edited by G. Barker and C. Goucher. Cambridge: Cambridge University Press, 335-352.
- Liu, X.**, and M. K. Jones. 2014. Under one roof: people, crops and animals in Neolithic north China. In *Living in the Landscape: Essays in Honour of Graeme Barker*, edited by K. Boyle, R. J. Rabett and C. Hunt. Cambridge: McDonald Institute Monographs, 227-234.

Edited Book:

- Lightfoot, E., **X. Liu**, and D. Q. Fuller, eds. 2018. *Far from the Hearth: Essays in Honour of Martin K. Jones*. Cambridge: McDonald Institute Conversations.

Journal Articles and Book Chapters Reviewed by Editor:

- Liu, X.** 2019. Route, season and cuisine: The eastern expansions of wheat and barley. In *Afro-Eurasian Archaeobotany*, edited by S. Shoda. Tokyo: Kuba Pro., 68-76. (in Japanese)
- Renfrew, C., and **X. Liu.** 2015. Interview with Colin Renfrew. *Southern Cultural Relics* 86, 44-49. (科林·伦福儒，刘歆益：《科林·伦福儒（Colin Renfrew）教授访谈录》，《南方文物》2015年，第86期，第44-49页。)
- Barker, G., and **X. Liu.** 2015. Interview with Graeme Barker. *Southern Cultural Relics* 84, 62-66. (格兰厄姆·巴克，刘歆益：《格兰厄姆·巴克（Graeme Barker）访谈录》，《南方文物》2015年，第84期，第62-66页。)
- Liu, X.** 2014. Book review: Ancient central China - Centres and peripheries along the Yangzi River. *Landscape Archaeology: Journal of Society for Landscape Studies* 35 (1), 83.
- Jones, M. K., and **X. Liu.** 2012. Interview with Martin Jones. *Southern Cultural Relics* 81:20-24. (马丁·琼斯，刘歆益：《马丁·琼斯（Martin Jones）教授访谈录》，《南方文物》2012年，第81期，第20-24页。)
- Liu, X.** 2005. Book review: The Molecular hunt - A brief history of archaeological science. *Chinese Journal for the History of Science and Technology* 26:180-184. (刘歆益：《生物考古学简史 - <分子狩猎：考古学如何唤醒沉睡的过去>》，《中国科学技术史杂志》2005年，第26期，第180-184页。)

Other Publications (newspaper articles and translated works):

- Liu, X.** 2019. Food Globalisation in Prehistory. *Oriental History Reviews*, 29 July. (刘歆益：《史前时代的农业全球化》，《东方历史评论》2019年7月29日。)
- Liu, X.** 2017. How wheat and barley were introduced to China? *Intellectuals*, 15 Nov. (刘歆益：《大麦和小麦是如何传入中国的？》，《知识分子》2017年11月15日。)
- Liu, X.** 2017. Cuisine, season and class: how Eurasia became connected? *Oriental History Reviews*, 26 June (刘歆益：《饮食、季节与阶级：欧亚大陆是如何联系起来的？》，《东方历史评论》2017年6月26日。)
- Liu, X.** China's arc' between the East and the West. *People's Daily*, 13 June. (刘歆益：《沟通东西方的“中国弧”》，《人民日报》2017年6月13日。)

- Stargardt, J., translated by **Liu, X.** & Zhuang, Y. 2014. Demand, distance and profit: An Indian Ocean world in the ninth and tenth century. *National Maritime Research*, 8: 87-112. (思鉴著，刘歆益、庄奕杰译：《公元九到十世纪唐与黑衣大食间的印度洋贸易：需求、距离与收益》，《国家航海》2014年，第8期，第87-112页。)
- Wang, C. & **Liu, X.** 2005. On early ceramics in China. *Newspaper of Cultural Relics of China*, 11 Nov. (王昌燧，刘歆益：《中国早期陶器邹议》，《中国文物报》2005年11月11日。)
- Cullen, C., translated by **Liu, X.** 2005. The Needham Research Institute in Cambridge and Science and Civilisation in China. *Chinese Journal for the History of Science and Technology*, 25: 1-10. (古克礼 (Christopher Cullen) 著，刘歆益译：《剑桥的李约瑟研究所和中国的科学与文明》，《中国科学技术史杂志》2005年，第25期，第1-10页。)

TEACHING

Washington University

- 2020-present *Culinary Globalization: the first 30,000 years* (300 level, undergraduates)
- 2020-present *Introduction to Scientific Approaches in Archaeology* (400 level, undergraduates and graduates)
- 2016-2017 *Pathways to Domestication* (400 level, graduates and undergraduates).
- 2015-present *Bio-molecular Archaeology – Are you what you eat?* (400 level, graduates and undergraduates).
- 2015-present *Environmental Archaeology* (400 level, graduates and undergraduates).
- 2015-present *Archaeology of China – Food and People*. (Spring semester, 300 level, undergraduates).

University of Cambridge

- 2012-2014 Lecturer, *Prehistory of China*, in core module: *Chinese History* (Part Ia). Department of East Asian Studies.
- 2012-2014 Lecturer, *Physical Environment and Human Impact*, in core module: *Archaeology in Action* (Part IIb). Department of Archaeology.
- 2010-2013 Lecturer, *Culture and Nature*, in core module: *Archaeological Thought* (Part IIa). Department of Archaeology.
- 2006-2013 Supervisor and instructor, *Introduction to Scientific Approach in Archaeology* (Part IIa, IIb and M.Phil). Department of Archaeology.
- 2006-2007 Supervisor, *The History and Scope of Archaeology: Theory and Practice* (Part IIa and Part IIb). Department of Archaeology.

GRANTS AND RESEARCH DEVELOPMENT

- 2018-2021 PI, NSF (Archaeology Senior Project), *The origin and spread of broomcorn and foxtail millet* (\$312,500).
- 2020-2021 PI (with Zhengwei Zhang), NSF (Doctoral Dissertation Research), *Animal-based subsistence strategy in prehistoric central Tibet, 3000-2,000 BP* (\$28,316)
- 2018-2019 PI, LEC (Living Earth Collaborative, Washington University), *Integrating stable isotopes and DNA metabarcoding of cave guano to develop a unique paleoenvironmental archive for the humid tropics* (\$29,100).
- 2018-2019 PI, InCEES (International Center for Advanced Renewable Energy and Sustainability, Washington University), *Stable isotope composition of cave guano: A unique paleoenvironmental archive for the humid tropics* (\$40,000).
- 2017-2021 Academic Collaborator (PIs Fahu Chen, Chinese Academy of Sciences and Martin Jones, University of Cambridge), NSFC (National Science Foundation of China – International Collaborative Project), *Study on Prehistoric Human Adaptation to High-elevation and Low Oxygen Environment in Northern Tibetan Plateau* (\$475,500; no direct allocation; no support in-kind).
- 2016-2017 PI, InCEES (International Center for Advanced Renewable Energy and Sustainability, Washington University), *Compound specific isotope analysis on archaeological human and animal remains from north China* (\$40,000).
- 2015-2016 PI, I-CARES (International Center for Advanced Renewable Energy and Sustainability, Washington University), *Lost Crops of Africa: Quantifying the natural variability in millet carbon isotope values* (\$35,000).
- 2010-2015 Investigatory Partner (PI, Martin Jones), ERC (European Research Council Advanced Project), *Food Globalisation in Prehistory* (€2,000,000).
- 2011-2013 PI, DM McDonald Grants and Award Funds, University of Cambridge, *Isotopic analysis of individual amino acids of bone collagen from Xinglonggou, China* (£5,000).
- 2009-2013 PI, Darwin College Research Grant, University of Cambridge (£1,500).
- 2007-2008 PI, Wenner-Gren Foundation Dissertation Fieldwork Grant, *The origins and early spread of broomcorn millet* (\$10,000).
- 2006-2007 PI, NERC (United Kingdom Natural Environmental Research Council), Graduate Student Fieldwork Grant (£1,500).

SCHOLARSHIPS AND AWARDS

- 2015 Research Award - 'Outstanding Contributions to the Advancement of Knowledge of the Human Past' - Shanghai Archaeology Forum, 14 Dec 2015, Shanghai. (Awarded for the research on '*The origin and*

- spread of broomcorn and foxtail millet'*, with Zhijun Zhao and M.K. Jones).
- 2009-2010 Chinese Government Award for Outstanding Students Abroad (Chinese Scholarship Council).
- 2005-2009 Dorothy Hodgkin Postgraduate Award, (DHPA, University of Cambridge, fees and stipends).
- 2005-2008 Cambridge Overseas Trust Scholarship (Kwok Foundation, University of Cambridge, honorarium - having won DHPA).
- 2004-2005 Andrew Mellon Foundation Fellowship, Needham Research Institute, Cambridge.

UNIVERSITY SERVICE

- 2019-2020 Undergraduate C of 3, Department of Anthropology
- 2019/2020 Member of Washington University Fulbright Committee.
- 2019 Member of tenure manual review committee, Department of Anthropology.
- 2018/2019 Chair of archaeology faculty search committee, Department of Anthropology.
- 2017 External member of Earth and Planetary Sciences Faculty Search Committee.
- 2016 Member of archaeology faculty search committee, Department of Anthropology.
- 2016/2017 Faculty advisor of *Simple Syrup* (Student run food magazine, Washington University).
- 2015/2016 Member of curriculum review committee, Department of Anthropology.

PROFESSIONAL SERVICE

- Reviewer for *Antiquity, International Journal of Osteoarchaeology, Quaternary International, Quaternary Research, Journal of Archaeological Science, Archaeological and Anthropological Science, Archaeological Research in Asia, Archaeometry, PLOS ONE, PNAS, Scientific Report.*
- 2019-present Member of Editorial Board, *PLOS ONE*.

INVITED LECTURES

- 2020 *Function or Symbolism? The prehistoric roots of Eurasian cuisines* (Virtual). Zhejiang University, Hangzhou.
- 2019 *The wind that shakes the barley*, invited paper presented at Tang Centre for Early China, Columbia University, New York.
- 2018 *Two fertile crescents*, invited paper presented at Chinese Academy of Agricultural Sciences, Beijing.
- 2018 *Runaway world: the agrarian foundation of the Old World prehistory*, invited lecture given in Feng Jihan Lecture Series, Sichuan University, Chengdu, China.
- 2017 *Cuisine, season and class: How Eurasia became connected?* invited paper presented at Guizhou Museum, Guiyang, China.

- 2017 *Food globalization in prehistory*, invited paper presented at Nevada University in Las Vegas.
- 2017 *Between fertile crescents: Trans-Eurasian exchange of cereal crops*, invited paper presented at Bryant University, Smithfield, RI.
- 2016 *Pathways to the eastern expansions of wheat and barley*, paper presented at Institute of Archaeology, University of Oxford.
- 2016 *Mobile crops and conservative cuisines*, invited paper presented at Archaeology Center, Stanford University.
- 2015 *The virtue of small wheat: Pathways to the eastern expansions of wheat cultivation*, paper presented at Shanghai Archaeology Forum, Shanghai.
- 2015 *1984 BC: Was there a Bronze Age world system?* invited paper presented at Department of Anthropology, Harvard University.
- 2014 *Chinese food and the world system in prehistory*, invited paper presented at the public lecture series: *New Worlds of Science: The Heritage of East Asia*, Seattle Art Museum.
- 2013 *What I have eaten this summer: Stone Age food networks*, invited public lecture given at the 'One Way Street' bookshop, Beijing.
- 2013 *Water, soil and seasonality: Topographies of the Old World Agricultures*, invited paper presented at Northwest University, Xi'an.
- 2012 *The arrival of the western food ways: isotopic and archaeobotanical perspectives*, invited paper presented at University of Pittsburgh.
- 2012 *Food globalization in prehistory*. British Museum, London.
- 2011 *Food web, production and consumption: The longue durée of the Neolithic China*, invited paper presented at Institute of Archaeology, University College of London.

SYMPOSIA ORGANIZER AND SERIES CONVENER

- 2019 Chair, *From Tangible Things to Intangible Ideas: The context of pan-Eurasian exchange of crops, animals and objects*, SAA (Society of American Archaeology) symposium, Albuquerque.
- 2018 Chair, *Hills, Valleys and Plateaus: Exploring human landscape of the mountainous regions in East and Central Asia*, SAA symposium, Washington DC.
- 2015 Organizer, *Tibetan Plateau and the Bronze Age Globalisation*, a workshop held at Department of Anthropology, Washington University in St. Louis.
- 2015 Chair, *Food Globalisation in Prehistory*, SAA symposium, San Francisco.
- 2014 Co-organizer (with Zhijun Zhao), *Millets as Crops: Past and Future*, an international symposium held at Aohan, Inner Mongolia.
- 2013 Co-Chair (with Christine Hastorf), *Plant Domestication - Morphology, Genetics and Social Context*, SAA forum, Austin.
- 2011-2013 Convener, *Darwin College Humanities and Social Sciences Seminar*, weekly college seminar series, University of Cambridge.

- 2010 Co-organizer (with Martin Jones and Zhijun Zhao), *Ordos Bronze and the Early East-West Cultural Exchanges through the Eurasian Steppe*, an international symposium held at Ordos, China.
- 2008 Co-organizer (with Martin Jones and Graeme Barker), *Rethinking Agricultural Origins in Western China*, an international symposium held at Jiuquan, China.
- 2009-2010 Convenor, *George Pitt-River Seminar for Archaeological Science*, Department of Archaeology, University of Cambridge.
- 2005-2006 Co-ordinator, *Asian Archaeology Group*, Department of Archaeology, University of Cambridge.

SELECTED PUBLIC OUTREACH

Science (cover page feature article):

<https://science.sciencemag.org/content/347/6223/708>

World Economic Forum:

<https://www.weforum.org/agenda/2019/02/map-shows-how-grains-took-over-the-world/>

Science Daily:

<https://www.sciencedaily.com/releases/2019/02/190206091431.htm>

Mashable:

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<http://culture.people.com.cn/GB/87423/12622519.html>

POSTDOCTORAL RESEARCHER MENTORED

2019 – present Dr Petra Vaiglova (DPhil, Oxford)

2015 - 2019 Dr Rachel B. Reid (PhD, UC Santa Barbara)

PHD STUDENTS ADVISED

2019 - present Melissa Ritchey (co-advised with Prof. Michael Frachetti)

2017 - present Yufeng Sun

2016 - present Zhengwei Zhang

2015 - present Mana Hayashi Tang

2014 - present Ximena Lemoine (co-advised with Prof. Fiona Marshall)

2014 - present Yi-Ling Lin (co-advised with Prof. T.R. Kidder)

DISSERTATION COMMITTEE MEMBER/VIVA EXAMINER

2020 Kelsey Nordine, Mica Jones

2019 Juan Carlos Melendez

2018 Yuqi Li, Ting An (Viva examiner, University of Cambridge)

2017 Zhen Qin, Michael Storozum

2016 Natalie Mueller

2015 Abigail Stone

RESEARCH VISITORS

2019 Elina Ananyevskaya, Vilnius University, Vilnius, Lithuania
2018-2019 Wei Wang, Lanzhou University, Lanzhou
2017-2018 Rui Liu, Peking University, Beijing
2017-2018 Haiming Li, Lanzhou University, Lanzhou
2017 Prof. Zhijun Zhao, Institute of Archaeology, CASS, Beijing
2016-2017 Prof. Lan Li, Sichuan University, Chengdu
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UPDATED: SEPTEMBER 3 2020