

CHRISTINA “TINA” WARINNER

CURRICULUM VITAE

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APPOINTMENTS

2024-	Professor, Department of Human Evolutionary Biology, Harvard University, USA
2024-	Landon T. Clay Professor of Scientific Archaeology, Department of Anthropology, Harvard University USA
2022-2024	John L. Loeb Associate Professor of the Social Sciences, Harvard University, USA
2021-2024	Associate Professor, Department of Anthropology, Harvard University, USA
2021-2024	Sally Starling Seaver Associate Professor, Radcliffe Institute for Advanced Study, Harvard University
2021-	Group Leader of Microbiome Sciences, Dept. of Archaeogenetics, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
2021-	Associated Group Leader of Archaeogenetics, Leibniz Institute for Natural Product Research and Infection Biology Hans Knöll Institute, Jena, Germany
2019-2021	Sally Starling Seaver Assistant Professor, Radcliffe Institute for Advanced Study, Harvard University
2019-2021	Assistant Professor, Department of Anthropology, Harvard University, USA
2018-	University Professor, Friedrich Schiller University, Jena, Germany
2016-2021	Group Leader of Microbiome Sciences, Dept. of Archaeogenetics, Max Planck Institute for the Science of Human History, Jena, Germany
2014-2019	Presidential Research Professor, Univ. of Oklahoma, USA
2014-2019	Assistant Professor, Dept. of Anthropology, Univ. of Oklahoma, USA
2014-2019	Adjunct Professor, Dept. of Periodontics, College of Dentistry, Univ. of Oklahoma, USA
2015	Visiting Associate Professor, Dept. of Systems Biology, Technical University of Denmark
2012-2014	Research Associate, Dept. of Anthropology, Univ. of Oklahoma, USA
2011-2012	Acting Head of Group, Centre for Evolutionary Medicine, Univ. of Zürich, Switzerland
2010-2011	Research Assistant, Centre for Evolutionary Medicine, Univ. of Zürich, Switzerland
2008-2009	Archaeology Laboratory Manager, Anthropology Department, Harvard University
2006-2008	Senior Staff and Head Librarian, Lowell House, Harvard University
2005-2008	Resident Tutor, Lowell House, Harvard University

EDUCATION

2010	Ph.D., Anthropology, Dept. of Anthropology, Harvard University Thesis Title: <i>“Life and Death at Teposcolula Yucundaa: Mortuary, Archaeogenetic, and Isotopic Investigations of the Early Colonial Period in Mexico”</i>
2008	A.M., Anthropology, Dept. of Anthropology, Harvard University
2003	B.A., with Honors, Anthropology, University of Kansas
2003	B.A., Germanic Literatures and Languages, University of Kansas

HONORS, AWARDS, AND FELLOWSHIPS

2025	Robert W. Sussman Award for Scientific Contributions to Anthropology, American Association for the Advancement of Science (AAAS), 2025.
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2025	Nobel Symposium Invited Speaker, “Palaeogenomics: Charting the Future of Ancient DNA”, Stockholm, Sweden, May 26-30, 2025.
2024	Darwin Day Speaker at the University of Oslo, for contributing to understanding human evolution and culture through ancient DNA
2023	Recipient of the Shanghai Archaeological Forum Research Award for contributions to the study of ancient human microbiomes
2023	Recipient of the American Anthropological Association’s General Anthropology Division’s Exemplary Cross-Fields Award
2023-2024	Radcliffe Fellow, Radcliffe Institute for Advanced Study at Harvard University
2022	Federation of European Microbiological Societies (FEMS) Article Award, for best article of the year published in the journal <i>FEMS Microbes</i>
2023	Invited panelist, “The future of lost genomes”, National Academy of Sciences annual meeting
2022	Keynote speaker, Hochschulrektorenkonferenz (HRK) (annual conference of German university presidents)
2022	Distinguished Lecturer, Journal of Anthropological Research
2021	Into Practice Featured Faculty , recognized for successes in Learner-Centered Pedagogy for Skill-Building by the Harvard Office of the Vice Provost for Advances in Learning
2020	Featured as one of nine Trailblazing Women Scientists in 2020, Science
2019	Top 10 Archaeological Discoveries of 2019, Archaeology Magazine
2019	Distinguished Lecturer, Albert Reckitt Archaeological Lecturer of the British Academy
2017	Named Top 10 Scientists Ready to Transform their Fields , Society for Science & the Public
2015	Invited participant, White House Microbiome Innovation Forum, Office of Science and Technology Policy
2014	Top 100 Scientific Discoveries of 2014, Discover Magazine
2014	Kavli Foundation Fellow, US National Academy of Sciences
2014	Omnenn Prize Honorable Mention, International Society for Evolution, Medicine and Public Health
2013	Research and Impact Visitor Travel Award, University of York
2012	TED Fellowship, Technology, Entertainment, Design (TED)
2012	Invited Scientist, Science Foo Camp (“SciFoo”), Nature, O’Reilly Media, and Google
2010	Commencement Marshal, Harvard University, Graduate School of Arts and Sciences
2009	Writing Fellowship, Cora du Bois Charitable Trust
2009	Graduate Society Fellowship, Harvard University Graduate School of Arts and Sciences
2007	Invited participant, On History and Deep Time Exploratory Workshop, Radcliffe Institute for Advanced Study, Harvard University, Cambridge, MA
2006, 2007	Distinction in Teaching Award, Derek Bok Center for Teaching and Learning, Harvard University
2004-2007	Graduate Research Fellowship (GRF), National Science Foundation
2002-2003	DAAD.edu Undergraduate Scholarship, Deutscher Akademischer Austauschdienst

SCIENTIFIC ADVISORY BOARDS, EDITORIAL BOARDS, AND COMMISSIONS OF TRUST

2024-	Board of Directors, American Center for Mongolian Studies (ACMS)
2024	Consulted expert for Food and Agriculture Organization (FAO) of the United Nations, for report by Rodrigo Ledesma-Amaro and Shirin Bamezai on sustainable use and conservation of fermentation-associated microorganisms in the agrifood system
2024	Consultant for Anticipating the Future of Archaeology, Geneva Science and Diplomacy Anticipator (GESDA) , Swiss Confederation and State of Geneva
2023-	Scientific Advisory Board, Genomic Archaeology Campus Tübingen (GACT), University of Tübingen
2023-	President, International Society for Biomolecular Archaeology (ISBA)
2022-2023	Vice President, International Society for Biomolecular Archaeology (ISBA)
2022-	Board of Trustees, International Society for Biomolecular Archaeology (ISBA)

2022-	Center for Materials Research in Archaeology and Ethnology (CMRAE) representative for Harvard University
2021-2024	Invited member, Current Issues in Ancient DNA Research (CIADR) Working Group
2020	Scientific Advisory Board, European Research Council, "Remaking Health in a Microbial Planet by Crossing Space, Time, Species and Epistemic Cultures (HealthXCross)", PI Roberta Raffeta
2020	Wellcome Trust, Expert Panel Member for review of the Sanger Institute Tree of Life Programme
2020	Editorial Board, Environmental Archaeology, Elements Series, Cambridge University Press
2019-	Leadership Team, Max Planck – Harvard Research Center for the Archaeoscience of the Ancient Mediterranean
2016-2020	Scientific Advisory Board, Phylagen Inc.
2017	Invited member, The American Gut Consortium
2016	Invited member, Center for Academic Research and Training in Anthropogeny (CARTA)
2014	Invited member, The Scientists for Advancement of Microbiome Research

RESEARCH GRANTS

EXTRAMURAL RESEARCH GRANTS AND GIFTS (PI OR CO-PI)

2025-2028	National Science Foundation, "Collaborative Research: Tracing the rise of equine dairying in Central Asia with paleoproteomics".
2025-2028	National Research Foundation of Korea and Deutsche Forschungsgemeinschaft, "Ancient genome-based investigation of the dispersal and adaptive evolution of cattle across Eurasia" (551531854); PIs: Jeong C, Warinner C
2024-2027	Volkswagen Stiftung, Pioneering Research Grant, "Reconstruction of the host-pathogens arms race spanning the 20th century"; PI: Key F; Co-PI: Warinner C
2023-2024	Goelet Family Foundation, "A proteomics-based approach for recovering and identifying viral pathogens in the archeological record." Gift recipient: Warinner C
2023-2024	Rust Family Foundation Grant, "Understanding the Political Dynamics Associated with the Rise of a Late Classic Maya Polity." PIs: Warinner C , Walden J
2022-2024	US National Science Foundation, Archaeology Program, "Collaborative Research: Reconstructing Classic Maya Genetic and Social Kinship Networks at Belize River Valley Polities" (BCS-2150813). PI: Warinner C
2020-2030	Werner Siemens Stiftung, " Paleobiotechnology – Ancient Drugs for Modern Bugs." PIs: Warinner C , Stallforth S
2019-2025	Deutsche Forschungsgemeinschaft (DFG), Exzellenzstrategie, Exzellenzclusters: Balance of the Microverse, EXC 2051 #390713860. Co-PI: Warinner C and 24 co-applicants
2019	Bundesministerium für Bildung und Forschung (BMBF), Bekanntmachung im Rahmen der Strategie der Bundesregierung zur Internationalisierung von Wissenschaft und Forschung Richtlinien zur Förderung von Vernetzungs- und Sondierungsreisen deutscher Hochschulen und Forschungseinrichtungen („Travelling Conferences“) zum Aufbau von Kooperationen mit Partnern im Südkaukasus, Zentralasien und der Mongolei, "Mobile Mikroben: Milchvielfalt und Ernährungssicherheit in den Steppen Eurasiens." Recipients: Warinner C , Hendy J, Rest M
2019	Wenner Gren, Awarded Symposium, "Cultures of Fermentation." Recipients: Warinner C , Aldenderfer M, Hendy J, Rest
2018-2023	European Research Council (ERC), Starting Grant, "Cultures of dairying: gene-culture-microbiome evolution and the ancient invention of dairy foods (804884, DAIRYCULTURES)." PI: Warinner C
2016-2019	Max Planck Society, Donation Award, "Heirloom Microbes: The History and Legacy of Ancient Dairying Bacteria." PIs: Warinner C , Hendy J
2016-2020	US National Institutes of Health, General Medicine, R01, "Microbial Ecologies of Indigenous Communities (2R01GM089886)." PIs: Lewis CM, Warinner C , Lawson P
2016-2018	US National Science Foundation, Early Concept Grants for Exploratory Research (EAGER),

	"Identification of specific pathogens in human dental calculus" (BCS-1643318). PI: Hofman C; Co-PIs: Warinner C , Zuckerman M
2015-2019	US National Science Foundation, Archaeology Program, "Direct Proteomic Investigation of Dairying in the Near Eastern and European Neolithic" (BCS-1523264). PI: Warinner C ; Co-PI: Lewis CM
2015-2018	US National Science Foundation, Biological Anthropology Program, "Evolution and Ecology of the Human Oral Microbiome" (BCS-1516633). PI: Warinner C , Co-PI: Lewis CM
2015-2017	US National Science Foundation, Archaeology Program, "Testing models of population history and high-altitude adaptation in Lo Manthang, Upper Mustang, Nepal, within a multidisciplinary framework" (BCS1528698). Project PI: Aldenderfer M; Subcontract PI: Warinner C
2011-2012	Swiss Foundation for Nutritional Research, "Ancient DNA and Paleoprotein Investigation of Dairying and the Evolution of Swiss Diet" (#440). PI: Warinner C

EXTRAMURAL RESEARCH GRANTS (SENIOR INVESTIGATOR OR COLLABORATOR)

2024-2029	European Research Council, Consolidator Grant, "City Life: A bioarchaeological study of 1800 years of resilience and adaptation to urbanity." PI: Papageorgopoulou C.; Collaborator: Warinner C .
2024-2026	New Zealand Marsden Fund Award, "Reconnecting communities and cetaceans using mātauranga Māori and archaeological science." PI: Tromp M; Associate Investigators: Warinner C , Alexander A, Baker S, Greig K, Richter K, Speller C, Scott S.
2024-2026	New Zealand Ministry of Business, Innovation, and Employment, Hikina Whakatutuki, Endeavour Fund Smart Ideas Grant, "Developing a minimally invasive species identification protocol for taonga tūturu." PI: Tromp M; Senior Collaborator: Warinner C .
2023-2025	National Science Foundation, High Risk Research in Archaeology and Biological Anthropology, "Understanding human-animal dynamics and early prehistory in the Inner Asian Altai: investigations at Khoid Tsenkher Cave." PI: Taylor W; Collaborator: Warinner C
2020-2022	National Science Foundation of Korea, Starting Grant, "Reconstructing the genetic history of the ancient Xiongnu empire," PI: Jeong C; Collaborator: Warinner C
2016-2020	University Research Priority Programs Evolution in Action Grant, University of Zürich, "Ancient Egyptian Microbiome," PI: Rühli F; Senior External Collaborator: Warinner C
2016-2020	European Research Council Early Career Grant, "Transformations of Food in the Eastern Mediterranean Late Bronze Age (FoodTransforms)." PI: Stockhammer P; Collaborator: Warinner C
2016-2020	European Research Council Early Career Grant, "Plant foods in human evolution: Factors affecting the harvest of nutrients from the floral environment (HARVEST)." PI: Henry A; Collaborator: Warinner C
2015-2016	Oxford University Fell Fund, "Investigating the effects of the Industrial Revolution on oral biology and health" (EBD10130). PI: Larson G; Senior Investigator: Warinner C , £60,000
2015	Generalitat Valenciana, Ayudas para la realización de proyectos de I+D para grupos de investigación emergentes, "Investigation of the dental calculus microbiome in archaeological modern and archaic humans." PI: Salazar Garcia D; External Collaborator: Warinner C
2015	University of York C2D2 Research Priming Fund, "Did Rheumatoid Arthritis Really Begin in 1800?" PI: Holst M, External Collaborator: Warinner C
2013-2019	European Research Council, Synergy Grant, "NEXUS1492: Transformation of Amerindian Cultures across the Historical Divide." PIs: Hofman C, Brandes U, Davies G; External Collaborator: Warinner C
2011-2012	Novartis Foundation for Biomedical Research, "Ancient DNA Investigation of the European Origin of the CCR5-D32 HIV-Resistance Allele." PI: Rühli F; Senior Investigator: Warinner C

INTRAMURAL GRANTS

2023-2024	Milton Fund Award, "A novel paleoproteomics approach for revealing the origins and spread of viral pathogens." PI: Warinner C
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2023-2024	Dean's Competitive Fund for Promising Scholarship grant, "A Novel Paleoproteomics Approach for Revealing the Origins and Spread of Viral Pathogens." PI: Warinner C
2023-2024	Star-Friedman Challenge Award, "A novel proteomics approach for tracing the prehistoric origins and spread of viral pathogens." PI: Warinner C
2020	Radcliffe Institute for Advanced Study, Research Teams Program grant, "Reevaluating Mexico's 16th century cocoliztli epidemics using ethnohistoric and archaeological evidence." PI: Warinner C
2015	University of Oklahoma Faculty Improvement Program, "Acquisition of High Performance Liquid Chromatography (HPLC) System and Lyophilizer to Characterize Key Biomarkers in Modern and Ancient Human Microbiomes." PI: Warinner C and Lawson P
2014	University of Oklahoma College of Arts and Sciences, Travel Assistance Program grant
2009	Harvard University Graduate School of Arts and Sciences, Summer Research Grant
2008	Harvard University Graduate School of Arts and Sciences, Summer Research Grant
2008	Harvard University, David Rockefeller Center for Latin American Studies, Travel Grant
2007	Harvard University Graduate School of Arts and Sciences, Summer Research Grant
2007	Harvard University Department of Anthropology, Owens Fund Research Grant
2006	Harvard University Graduate School of Arts and Sciences, Summer Research Grant
2006	Harvard University Department of Anthropology, Owens Fund Research Grant

PUBLICATIONS

*senior corresponding author, underline signifies supervised student, postdoc, or visiting student in my lab
articles marked as *in prep* are fully drafted and only awaiting final co-author approval for submission

NCBI: <http://www.ncbi.nlm.nih.gov/sites/myncbi/1Jce0k1BbeZ5U/bibliography/44414157/public/>

Google Scholar: <https://scholar.google.com/citations?hl=en&user=cDFcc3cAAAAJ>

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JOURNAL PUBLICATIONS

2025	Wasmuth I, Warinner C, Stallforth P. (2025) Microbial dynamics and Pseudomonas natural product production in milk and dairy products. <i>Natural Product Reports</i> . DOI: 10.1039/d4np00074a.
2025	Boldgiv B, Lkhagva A, Edwards S, Stenseth NC, Bayarsaikhan J, Altangerel D, Usukhjargal D, Dovchin B, Gombobaatar S, Batsaikhan N, Warinner C , Hart I, Galbreath K, Greiman SE, Malaney J, Murdoch JD, McLean B, DeWitte S, Manzitto-Tripp E, Chin K, Kaarim TS, Simpson C, Stevens NJ, Dunnum JL, Cook JA, and Taylor WTT. (2025) Global natural history infrastructure requires international solidarity, support, and investment in local capacity: lessons from Mongolia. <i>Proceedings of the National Academy of Sciences</i> 122 (6) e2411232122, https://www.pnas.org/doi/epub/10.1073/pnas.2411232122
2025	<u>Velsko IM</u> , Warinner C* . (2025) Streptococcus abundance and oral site tropism in humans and non-human primates reflects host and lifestyle differences. <i>NPJ Biofilms and Microbiomes</i> 11(19), https://doi.org/10.1038/s41522-024-00642-1
2025	Kelmelis S, <u>Walden JP</u> , Green Mink K, Hoggarth JA, Ebert C, Freiwald C, Watkins TB, Izzo VSR, Biggie M, Thompson RA, Warinner C , Awe JJ. (2025) Biocultural Taphonomies and Analysis of an Emerging Terminal Classic (AD 750-900) Maya Deathway. <i>Journal of Archaeological Method and Theory</i> 32(22), https://doi.org/10.1007/s10816-024-09689-y
2024	Bergström A*, <u>Fellows Yates J*</u> , Warinner C* . (2024) News and Commentary: Ancient DNA holds insights into past organisms and ecosystems - handle them with more care. <i>Nature</i> , https://www.nature.com/articles/d41586-024-03993-z
2024	<u>Velsko IM</u> , <u>Fagernäs Z</u> , Tromp M, Bedford S, Buckley HR, Clark G, Dudgeon J, Flexner J, Leal-Tamarii A, Lewis CM, Matisoo-Smith E, Nägele K, Ozga AT, Rohrlach AB, Posth C, Shing R, Spriggs M, Willie E, Valentin Frédérique, Warinner C* . (2024) Exploring the potential of dental calculus to shed light on past human migrations in Oceania. <i>Nature Communications</i> , https://www.nature.com/articles/s41467-024-53920-z
2024	Ghalichi A, Reinhold S, Rohrlach AB, Kalmykov AA, Childebayeva A, Yu H, Aron F, Semerau L, Bastert-Lamprichs K, Belinskiy AB, Berezina NY, Berezin YB,

- Broomandkhoshbacht N, Buzhilova AP, Erlikh VR, EVteev AA, Fehren-Schmitz L, Gambashidze I, Kantorovich AR, Kolesnichenko KB, Lordkipanidze D, Magomedov RG, Malek-Custodis K, Mariaschk D, Maslov VE, Mkrtchyan L, Nagler A, Fazeli Nashli H, Ochir M, Piotrovskiy YY, Saribekyan M, Sheremetev AG, Stöllner T, Thomalsky J, Vardanyan B, Posth C, Krause J, **Warinner C**, Hansen S, Haak W*. (2024) The rise and transformation of Bronze Age pastoralists in the Caucasus. *Nature*. <https://doi.org/10.1038/s41586-024-08113-5>
- 2024 Pan J, Liu X, Schiavinato S, Tressières G, Aury JM, Oliveira P, Wincker P, Arsuaga J, Bayarsaikhan J, Carbonell E, Lira Garrido J, Gilbert A, **Hermes T**, **Warinner C**, Kalmykov A, Lordkipanidze D, Mackiewicz P, Mohaseb A, Richter K, Shapiro B, Shnaider S, Southon J, Stefaniak K, Summers G, Asperen E, Vanishvili N, Hill E, Kuznetsov P, Reinhold S, Berthon R, Taylor W, Hekkala E, Orlando, L. (2024) Genome-wide population affinities and signatures of adaptation in hydruntines, sussemiones and Asian wild asses. *Molecular Ecology* 33(19): e17527, <https://doi.org/10.1111/mec.17527>
- 2024 **Michel M**, Skourtanioti E, Pierini F, Barquera R, Bianco R, Carlhoff S, Coppola Bove L, Freilich S, Giffin K, Guevara EK, Hermes T, Hiss A, Knolle F, Mötsch A, Nelson EA, Neumann G, Papac L, Penske S, Rohrlach AB, Salem N, Semerau L, Villalba-Mouco, Abadie I, Aldenderfer M, Baquedano Perez E, Brown M, Carrion Santafe EC, Chenghwa T, Conteras Martinez M, Cruz Berrocal M, Czubak JM, Damsek L, Duffett Carlson KS, Durand R, Ernée M, Fantaneanu C, Frenzel H, García Atiénzar, Guillén S, Hsieh E, Karwowski M, Kinaston R, Küssner M, Lai L, Look C, Majander K, Mandl K, Mazzarello V, McCormick M, Murphy R, Nemeth R, Nordqvist K, Onkamo P, Olmo Enciso L, Orschiedt J, Paz de Miguel Ibáñez M, Peltola S, Romero A, Rubino S, Sajantila A, Salazar García D, Serrano E, Shaydullaev S, Slaus M, Stanco L, Swanston T, Teschler-Nicola M, Valentin F, Van der Vijver K, Varney T, Vigil-Escalera Guirado A, Waters C, Weiss-Krejci E, Winter E, Lamnidis TC, Prüfer K, Nägele K, Spyrou M, Schiffels S, Stockhammer PW, Haak W, Posth C, **Warinner C**, Bos K, Herbig A*, Krause K*. (2024) Ancient Plasmodium genomes shed light on the history of human malaria. *Nature*. <https://www.nature.com/articles/s41586-024-07546-2>
- 2024 Barquera R, del Castillo-Chávez O, Nägele K, Hernández-Zaragoza DI, Szolek A, Rohrlach AB, Childebayeva A, Penman B, Acuña-Alonzo V, Bianco RA, Ramallo P, Lara-Riegos JC, Moo-Mezeta ME, Torres-Romero JC, Tzec-Puch CI, Kohlbacher O, **Warinner C**, Krause J*. (2024) Archaeogenetic analysis of a ritual mass burial at Chichén Itzá. *Nature*. <https://www.nature.com/articles/s41586-024-07509-7>
- 2024 Austin RM, Honap TP, Mann AE, Hübner A, DeGaglia CMS, **Warinner C**, Zuckerman MK, Hofman CA. Metagenomic and paleopathological analyses of a historic documented collection explore ancient dental calculus as a diagnostic tool. *Scientific Reports* 14:14720, <https://doi.org/10.1038/s41598-024-64818-7>
- 2023 Bayarsaikhan J, Turbat T, Bayandelger C, Tuvshinjargal T, Wang J, Chechushkov I, Uetsuki M, Isahaya N, Hudson M, Miller D, Shiraishi N, Li Y, Zhang C, Eregzen G, Caspari G, López Calle P, Conner JL, Hodgins G, **Richter KK**, **Warinner C**, Taylor WTT*. Early saddle and stirrup technology in East Asia: new discoveries from Urd Ulaan Uneet Cave, western Mongolia. *Antiquity*, <https://doi.org/10.15184/aqy.2023.172>.
- 2023 Wegner CE, **Stahl R**, **Velsko I**, **Hübner A**, **Warinner C**, Lehmann R, Ritschel T, Totsche KU, Küsel K. (2023) A glimpse of the paleome in endolithic microbial communities. *Microbiome* 11(210), <https://doi.org/10.1186/s40168-023-01647-2>.
- 2023 Klapper M, Hübner A, Ibrahim A, Borry M, Chowdhury S, Frangenberg J, Hänsch V, Herbst R, Suma H, **Velsko IM**, Wasmuth I, **Fellows Yates JA**, Zhang S, Al-Jammal WK, Bratovanov EV, Dahse HM, Horch T, Hertweck C, Gonzalez Morales MR, Straus LG, Vilotijevic I, **Warinner C***, Stallforth P*. (2023) Natural products from reconstructed bacterial genomes of the Middle and Upper Paleolithic. *Science* 380(6645): 619-624, www.science.org/doi/10.1126/science.adf5300
- 2023 Lee JH, Miller BK, Bayarsaikhan J, Johannesson E, Ventresca Miller A, **Warinner C***, Jeong C*. (2023) Genetic population structure of the Xiongnu Empire at imperial and local scales. *Science Advances* 9(15): eadf3904, www.science.org/doi/10.1126/sciadv.adf3904

- 2023 Velsko IM, Gallois S, Stahl R, Henry A, **Warinner C***. (2023) High conservation of the dental plaque microbiome across populations with differing subsistence strategies and market integration. *Molecular Biology and Evolution*, <http://doi.org/10.1111/mec.16988>
- 2023 Borri M, Forsythe A, Andrades Valtueña A, Hübner A, Ibrahim A, Quagliariello A, White AE, Kocher A, Vágene A, Bartholdy BJ, Spurite D, Yaxal Ponce-Soto G, Neumann G, Huang I-T, Light I, Velsko IM, Jackson I, Frangenberg J, Serrano JG, Fumey J, Özdoğan KT, Blevins KE, Daly KG, Lolopolo M, Moraitou M, Michel M, van Os M, Bravo-Lopez M, Sarhan MS, Dagtas ND, Oskolkov N, Smith OS, Lebrasseur O, Rozwalak P, Eisenhofer R, Wasef S, Ramachandran SL, Vanghi V, **Warinner C***, Fellows Yates J*. (2023) Facilitating accessible, rapid, and appropriate processing of ancient metagenomic data with AMDiT. *F1000*, <https://f1000research.com/articles/12-926/v1>.
- 2022 **Warinner C**. (2022) An Archaeology of Microbes. *Journal of Anthropological Research* 108, <https://www.journals.uchicago.edu/doi/10.1086/721976>
- 2022 Velsko I, Semeran L, Inskip SA, García-Collado MI, Ziesemer K, Serrano Ruber M, Benítez de Lugo Enrich L, Molero-García JM, Gallego Valle D, Peña Ruiz AC, Salazar Garcia DC, Hoogland MLP, **Warinner C***. (2022) Ancient dental calculus preserves signatures of biofilm succession and inter-individual variation independent of dental pathology. *PNAS Nexus* 1: 1-14. <https://doi.org/10.1093/pnasnexus/pgac148>.
- 2022 **Warinner C***, Richter KK, Collins, M. (2022) Paleoproteomics. *Chemical Reviews* 122, 13401-13446. <https://doi.org/10.1021/acs.chemrev.1c00703>
- 2022 Richter KK, Seabrook M, Codlin M, **Warinner C***. (2022) A primer for ZooMS applications in archaeology. *PNAS* 119(20) e2109323119. <https://www.pnas.org/doi/10.1073/pnas.2109323119>
- 2022 Scott A, Reinhold S, Hermes T, Kalmykov AA, Belinskiy A, Buzhilova A, Berezina N, Kantorovich AR, Maslov VE, Guliyev F, Lyonnet B, Gasimov P, Jalilov B, Eminli J, Iskandarov E, Hammer E, Nugent S, Hagan R, Majander K, Onkamo P, Nordqvist K, Shishlina N, Kaverzneva E, Korolev A, Khokhlov AA, Smolyaninov RV, Sharapova SV, Krause R, Karapetian M, Stolarczyk E, Krause J, Hansen S, Haak W, **Warinner C***. (2022) Emergence and intensification of dairying in the Caucasus and Eurasian steppes. *Nature Ecology and Evolution*. DOI: 10.1038/s41559-022-01701-6; <https://www.nature.com/articles/s41559-022-01701-6>
- 2022 Fagnäs Z, Salazar-Garcia DC, Avilés Fernández A, Haber Uriarte M, Henry A, Lomba Maurandi J, Ozga A, Velsko IM, **Warinner C***. (2022) Understanding the microbial biogeography of ancient human dentitions to guide study design and interpretation. *FEMS Microbes* 3: xtac006. <https://doi.org/10.1093/femsmc/xtac006>.
Winner of the 2022 Federation of European Microbiological Societies (FEMS) Article Award, for best article of the year published in the journal *FEMS Microbes*
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- 2014 **Warinner C***, Rodrigues JFM, Vyas R, Trachsel C, Shved N, Grossmann J, Radini A, Hancock Y, Tito RY, Fiddyment S, Speller C, Hendy J, Charlton S, Luder HU, Salazar-García DC, Eppler E, Seiler R, Hansen L, Samaniego Castruita JA, Barkow-Oesterreicher S, Teoh KY, Kelstrup C, Olsen JV, Nanni P, Kawai T, Willerslev E, von Mering C, Lewis, Jr. CM, Collins MJ, Gilbert MTP, Rühli F, Cappellini E*. (2014) Pathogens and host immunity in the ancient human oral cavity. *Nature Genetics* 46, 336-344. DOI: 10.1038/ng.2906
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- 2013 **Warinner C**, Robles García N, and Tuross N. (2013) Maize, beans and the floral isotopic diversity of highland Oaxaca, Mexico. *Journal of Archaeological Science* 40(2):868-873. DOI: 10.1016/j.jas.2012.07.003
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- 2009 **Warinner C*** and Tuross N. (2009) Alkaline cooking and stable isotope diet-tissue discrimination in swine: archaeological implications. *Journal of Archaeological Science* 36(8), 1690-1697. DOI: 10.1016/j.jas.2009.03.034
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SCHOLARLY MAGAZINES AND NEWSLETTERS

- 2023 **Warinner C**, Hübner A, Stallforth P. (2023) Reconstructing ancient bacterial genomes can revive previously unknown molecules – offering a potential source for new antibiotics. *The Conversation*, May 4, 2023, <https://theconversation.com/reconstructing-ancient-bacterial-genomes-can-revive-previously-unknown-molecules-offering-a-potential-source-for-new-antibiotics-204888>
- 2020 **Warinner C**, Beach A. (2020) Anonymous was a Woman: Illuminating the Writing and Art of Religious Women in the Middle Ages. *In Situ: News and Events of the Harvard Standing Committee on Archaeology*, Spring Semester 2020.
- 2019 Hofman CA, **Warinner C***. (2019) Ancient DNA 101: An introductory guide in the era of high-throughput sequencing. *SAA Record* 19(1):18-25.
- 2019 Radini A, **Warinner C**, Tromp M, Warinner C. (2019) We found lapis lazuli hidden in ancient teeth – revealing the forgotten role of women in medieval arts. *The Conversation*, January 11, 2019, <https://theconversation.com/we-found-lapis-lazuli-hidden-in-ancient-teeth-revealing-the-forgotten-role-of-women-in-medieval-arts-109458>
- 2012 Aali A, Abar A, Boenke N, Pollard M, Rühli F, Stöllner T, Brothwell D, Good I, Le Bailly M, Link K, Mashkour M, Mowlavi G, Nezamabadi M, Nasab MV, **Warinner C**. (2012) Ancient Salt mining and salt men: the interdisciplinary Chehrabad Douzlakh project in north-western Iran. *Antiquity+ Project Gallery* 86, 333.

BOOKS AND EDITED VOLUMES

- 2014 Marston JM, d'Alpoim Guedes J, and **Warinner C** (eds.). (2014) *Method and Theory in Paleoethnobotany*. University Press of Colorado, Boulder. (Edited Volume) DOI: 10.5876/9781607323167
- 2006 Houston S, Brittenham C, Mesick C, Tokovinine A, and **Warinner C**. (2006) *Veiled Brightness: A History of Ancient Maya Color*. Austin: University of Texas Press. (Book).

BOOK CHAPTERS

- 2023 Salazar-Garcia DC, **Warinner C**, Eerkens JW, Henry AG. "The potential of dental calculus as a novel source of biological isotopic data," in Beasley M and Sommerville A, ed., *Exploring Human Behavior through Isotope Analysis: Applications in Archaeological Research*, Springer. *In press*.
- 2023 Fagernäs Z, **Warinner C**. (2023) "Dental calculus." In: Pollard M, Makarewicz C, and Armitage, R, eds., *Handbook of Archaeological Sciences*, 2nd Edition. John Wiley & Sons, Ltd, 2023. ISBN: 9781119592044. <https://doi.org/10.1002/9781119592112>.
- 2022 Smith T, **Warinner C**. (2022) Developmental, evolutionary, and behavioral perspectives on oral health. In: Plomp K, Roberts C, Elton S, Bentley G, eds., *Evolving Health: Paleopathology and Evolutionary Medicine*, Oxford University Press, <https://doi.org/10.1093/oso/9780198849711.003.0006>
- 2022 Hendy, J., Rest, M., and **Warinner, C**. (2022). "The Ancient History of Yoghurt." In *The Book of Fermentology* (1st ed.). NC State University Libraries. <https://doi.org/https://doi.org/10.52750/679579>
- 2022 Hendy, J., Rest, M., and **Warinner, C**. (2022). "The Ancient History of Yoghurt." In *The Book of Fermentology* (1st ed.). NC State University Libraries. <https://doi.org/https://doi.org/10.52750/679579>
- 2022 Hendy, J., Rest, M., and **Warinner, C**. (2022). "The Modern History of Yoghurt." In *The Book of Fermentology* (1st ed.). NC State University Libraries. <https://doi.org/https://doi.org/10.52750/679579>
- 2020 **Warinner C**. (2020). "Microbial Archaeology," In Renfrew C and Bahn P, eds., *Archaeology: Theories, Methods and Practice*, 8th Edition. Thames and Hudson.
- 2019 **Warinner C**, Ozga A, Radini A, Sankaranarayanan K, Lewis CM. (2019) "Genetic and microscopic analysis of human dental calculus from Swift Water Place, Alaska," in Anderson D, Anderson W, eds., *Life at Swift Water Place, Alaska, at the Threshold of European Contact*. University of Alaska Press.
- 2015 **Warinner C** and Tuross N. (2015) "Ancient DNA and Stable Isotope Analysis of the Teposcolula Grand Plaza Cemetery," in Nelly Robles-García, ed. *Yucundaa: La ciudad mixteca Yucundaa-Pueblo Viejo de Teposcolula y su transformación prehispánica-colonial*. Vol. 2. Instituto Nacional de Antropología e Historia.
- 2015 Tuross N, **Warinner C**, and Robles Garcia N. (2015) "Evidence for Mixtec/Dominican Interaction from the Radiocarbon Dates at Yucundaa (Pueblo Viejo de Teposcolula)," in Nelly Robles-García, ed. *Yucundaa: La ciudad mixteca Yucundaa-Pueblo Viejo de Teposcolula y su transformación prehispánica-colonial*. Vol. 2. Instituto Nacional de Antropología e Historia.
- 2014 **Warinner C**. (2014) "From the Ground Up: Advances in Stable Isotope-Based Paleodietary Inference," in John M. Marston, Jade d'Alpoim Guedes, and Christina Warinner (eds.) *Method and Theory in Paleoethnobotany*. University Press of Colorado, Boulder.
- 2014 **Warinner C** and d'Alpoim Guedes J. (2014) "Digitizing the Archaeobotanical Record" in John M. Marston, Jade d'Alpoim Guedes, and Christina Warinner (eds.) *Method and Theory in Paleoethnobotany*. University Press of Colorado, Boulder.
- 2014 Marston JM, d'Alpoim Guedes J, and **Warinner C**. (2014) "Paleoethnobotanical Method and Theory in the 21st Century," in John M. Marston, Jade d'Alpoim Guedes, and Christina

Warinner (eds.) *Method and Theory in Paleoethnobotany*. University Press of Colorado, Boulder.

ONLINE LABORATORY PROTOCOLS

- 2021 Fellows Yates J, Aron F, Neumann GU, Velsko I, Skourtanioti E, Orfanou E, Fagernäs Z, Stahl R, Valtuena AA, **Warinner C**, Haak W, Brandt G. (2021) A-Z of ancient DNA protocols for shotgun Illumina Next Generation Sequencing: A compilation of 12 complete bench protocols for each step of ancient DNA laboratory procedures.
[dx.doi.org/10.17504/protocols.io.bj8nkrve](https://doi.org/10.17504/protocols.io.bj8nkrve)
- 2021 Scott A, **Warinner C** (2021) [Ancient Protein Extraction from Skeletal Material Protocol](https://doi.org/10.17504/protocols.io.7vwhn7e),
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SOFTWARE

sam2lca, <https://github.com/maxibor/sam2lca/tree/taxopy>
 PyDamage, <https://github.com/maxibor/pydamage>
 cuperdec, <https://github.com/jfy133/cuperdec>
 CoproID, <https://github.com/maxibor/coproid-article>
 SourcePredict, <https://github.com/maxibor/sourcepredict>
 nf-core / funcscan, <https://github.com/nf-core/funcscan>
 nf-core / taxprofiler, <https://github.com/nf-core/taxprofiler>

WEBSITES AND ONLINE DATABASES

- 2020- DairyCultures: <https://www.dairycultures.org>, **Warinner C**, Reichhardt B, Rest M, Enkh-Amgalan Z.
- 2020- DairyCultures Ethnographic Database: https://dairycultures.org/ethnographic_data/,
Warinner C, Reichhardt B, Rest M, Enkh-Amgalan Z.
- 2020- Ancient Metagenome Dir: <https://github.com/SPAAM-community/AncientMetagenomeDir>,
 Fellows Yates J, Andrades Valtueña A, Vägene AJ, Cribdon B, Velsko IM, Borry M, Bravo-López MJ, Fernandez-Guerra A, Green EJ, Ramachandran SL, Heintzman PD, Spyrou MA, Hübner A, Gancz AS, Hider J, Allshouse AF, **Warinner C**.
- 2010-2020 Paleobot.org: Online Archaeobotanical Reference Database. <http://www.paleobot.org>,
Warinner C and d'Alpoim Guedes J.
- 2010- Research website: <http://www.christinawarinner.com>, **Warinner C**.

INVITED COMMENTARY

- 2024 **Warinner C**. Discussant. Documentary film screening of *Hunt for the Oldest DNA*, a selection of the Woods Hole Film Festival, Massachusetts Institute of Technology (MIT) Museum, December 3, 2024
- 2024 Reinhold S, **Warinner C**. "The birth of Bronze Age pastoralism where Europe meets Asia." Invited Research Briefing, *Nature*, 27 November, <https://www.nature.com/articles/d41586-024-03832-1>
- 2024 Bergström A, Fellows Yates J, **Warinner C**. "Better data archiving is needed to preserve the ancient DNA record". Invited Commentary, *Nature*, December 10, 2024,
<https://www.nature.com/articles/d41586-024-03993-z>
- 2024 **Warinner C**. Panel discussant, *Megan Michel: Ancient DNA illuminates malaria's impact across human history*. Science of the Human Past, Harvard University, Cambridge, MA, November 20, 2024.

- 2020 **Warinner C.** Panelist, *Anthro Debates*, topic: Anthropology in and of a Pandemic. Department of Anthropology, Harvard University, April 17, 2020.
- 2019 **Warinner C.** Panelist, *Anthro Debates*, topic: Climate Change. Department of Anthropology, Harvard University, December 6, 2019.
- 2018 Vågane Å, **Warinner C.**, Barquera R, Bos K. “[Mixtecs, Aztecs and the great cocoliztli epidemic of AD 1545-1550](#).” Invited blog post in the *Behind the Paper* forum of *Nature Ecology and Evolution*, February 8, 2018.

ORGANIZED CONFERENCES AND WORKSHOPS

- 2024 *Introduction to Ancient Metagenomics*, Summer School co-sponsored by the Max Planck-Harvard Center for the Archaeoscience of the Ancient Mediterranean (MHAAM), the Max Planck Institute for Evolutionary Anthropology (MPI-EVA), and the Standards, Precautions, and Advances in Ancient Metagenomics community (SPAAM), and financially supported by the Werner Siemens Foundation. Organizers: **C Warinner** and [J Fellows Yates](#), August 5-9, 2024, <https://www.spaam-community.org/wss-summer-school/#/2024/README>
- 2024 Mustang Ancient DNA Symposium, Kathmandu, Nepal, March 4, 2024. Organized by [M Borry](#), [M Aldenderfer](#), **C Warinner**.
- 2024 Werner Siemens Foundation Colloquium: Genomic evolution of microbial functions: past to present. Hosted at the Hans Knoll Institute for Infection Biology and Natural Products Research, Jena, Germany, January 22, 2024. Organized by [J Fellows Yates](#), [P Stallforth](#), and **C Warinner**.
- 2023 *Introduction to Ancient Metagenomics*, Summer School co-sponsored by the Max Planck-Harvard Center for the Archaeoscience of the Ancient Mediterranean (MHAAM), the Max Planck Institute for Evolutionary Anthropology (MPI-EVA), and the Standards, Precautions, and Advances in Ancient Metagenomics community (SPAAM), and financially supported by the Werner Siemens Foundation. Organizers: **C Warinner** and [J Fellows Yates](#), July 31 to August 4, 2023, <https://www.spaam-community.org/wss-summer-school/#/2023/README>
- 2023 Werner Siemens Foundation Colloquium: Microbiome Functional Evolution from Past to Present. Hosted at the Hans Knoll Institute for Infection Biology and Natural Products Research, Jena, Germany, March 20, 2023. Organized by [J Fellows Yates](#), [P Stallforth](#), and **C Warinner**.
- 2022 *Introduction to Ancient Metagenomics*, Summer School co-sponsored by the Max Planck-Harvard Center for the Archaeoscience of the Ancient Mediterranean (MHAAM), the Max Planck Institute for Evolutionary Anthropology (MPI-EVA), and the Standards, Precautions, and Advances in Ancient Metagenomics community (SPAAM), and financially supported by the Werner Siemens Foundation. Organizers: **C Warinner** and [J Fellows Yates](#), August 1-5, 2022, <https://spaam-community.github.io/wss-summer-school/#/2022/README>
- 2019 Cultures of Fermentation Conference, Wenner Gren Symposium. Hosted at the Hotel Tivoli Palacio de Seteais, Sintra, Portugal, October 11-17, 2019. With financial support from the Wenner Gren Foundation. Organized by **C Warinner**, [J Hendy](#), [M Rest](#), and [M Aldenderfer](#).
- 2019 Seeing Microbes Workshop. Organized by **C Warinner** and the DairyCultures Team and the Blessed by Yak women’s dairy cooperatives. With financial support from the ERC. Khatgal, Mongolia, July 20-29, 2019.
- 2019 Microbes on the Move Conference, BMBF Travelling Conference. Hosted at the Mongolian University of Science and Technology (MUST) and the Kyrgyzstan BIO-KG Federation of Organic Development in Ulaanbaatar, Mongolia and Bishkek, Kyrgyzstan, May 18-26, 2019. With financial support from the Bundesministerium für Bildung und Forschung (BMBF) and the ERC. Organized by **C Warinner**, [J Hendy](#), [B Reichhardt](#), and [M Rest](#).
- 2018 Microbial Biodiversity of Traditional Dairy Ecologies Workshop. Hosted at the Max Planck Institute for the Science of Human History, Jena, Germany June 18-20, 2018. Organized by **C Warinner**, [J Hendy](#), and [M Rest](#).
- 2018 International Symposium for Biomolecular Archaeology (ISBA) Conference, hosted by the MPI-SHH, Jena, Germany. Organizational Committee, **C Warinner**.
- 2018 Ancient Proteins Practical Workshop. Hosted at the Max Planck Institute for the Science of Human History, Jena, Germany, May 7-18, 2018. Organized by **C Warinner** and [J Hendy](#).

- 2018 Ancient Dietary Proteins Workshop. Hosted at the Functional Genomics Center Zürich (FGCZ), Zürich, Switzerland, January 29, 2018. Organized by **C Warinner**, J Hendy, P Nanni, and J Grossmann.

INVITED WORKSHOP PARTICIPATION

- 2025 Invited panelist, University of Kansas World Anthropology Day, February 20, 2025.
 2024 Invited section leader, Workshop on Best Co-Authorship Practices in the Use of Archaeogenetic Resources, Ludwig Maximilian University of Munich and Max Planck Institute for Evolutionary Anthropology, online international workshop, November 14, 2024.
 2020 Invited participant, Virtual Workshop on Ethics in Ancient DNA Research, Harvard University, Cambridge, MA, USA, November 4-5, 2020.
 2020 Invited participant, Reflective Archaeology and Archaeo-Gen-Ethics Workshop, Max Planck Institute for the Science of Human History, Jena, Germany, May 19, 2020
 2007 Invited participant, On History and Deep Time Exploratory Workshop, Radcliffe Institute for Advanced Study, Harvard University, Cambridge, MA

ORGANIZED SESSION SYMPOSIA

- 2020 Invited convenor of the session "Ancient microbial DNA and ancient microbial ecology". 18th International Symposium on Microbial Ecology (ISME), Cape Town, South Africa, August 9-14, 2020. Organized by **C Warinner** and Anders J. Hansen. **Cancelled due to COVID-19**
 2018 Organized Session: "Ancient Dairying." Ancient Proteins Meeting, Copenhagen, Denmark, August 21, 2018. Organized by **C Warinner** and J Hendy.
 2013 Organized Session: "Small Samples, Big Questions: New Methods and Applications in Biomolecular Archaeology." Society for American Archaeology Meeting, Honolulu, HI, April 3-7, 2012. Organized by A Henry, CA Hofman, and **C Warinner**.
 2011 Electronic Symposium: "Current Methods in Paleoethnobotany." Society for American Archaeology Meeting, Sacramento, CA, March 30 - April 3, 2011. Organized by M Marston, J d'Alpoim Guedes, and **C Warinner**.
 2010 Symposium: "Issues and Methods in Archaeobotany." Society for American Archaeology Meeting, St. Louis, MO, April 14-18, 2010. Organized by Jade d'Alpoim Guedes and **C Warinner**.

KEYNOTES, PLENARY LECTURES, AND INVITED TALKS

- 2025 **Warinner C.** The archaeology of microbes and the future of lost genomes. Nobel Symposium: "Palaeogenomics: Charting the Future of Ancient DNA", Stockholm, Sweden, May 26-30, 2025.
 2025 **Warinner C.** TBD. National Science Foundation SBE Conference, April 28-29, Washington, D.C., 2025.
 2025 **Warinner C.** TBD. Ancient Pathogens Genomics International Symposium, April 10-13, 2025, Juriquilla, Mexico.
 2025 **Warinner C.** The archaeology of microbes and the future of lost genomes. Advances in Genome Biology and Technology (AGBT) 25th Anniversary General Meeting, February 23-26, 2026, Marco Island, Florida.
 2024 **Warinner C.** Archaeology of the Invisible. Invited lunch seminar presented to the Department of Human Evolutionary Biology, Harvard University, Cambridge, MA, October 22, 2024.
 2024 **Warinner C.** Archaeology of the Invisible. Invited talk presented in the Lowell Conversations series, Lowell House, Harvard University, Cambridge, MA, October 10, 2024.
 2024 **Warinner C.** Archaeology of the Invisible. Invited keynote lecture to be presented at the Institute for Evolutionary Medicine, University of Zürich, Switzerland, September 20, 2024.
 2024 **Warinner C.** The future of our microbial past. Invited keynote lecture, to be presented at the European Molecular Biology Laboratories (EMBL) Symposium "Reconstructing the human past: using ancient and modern genomics", Heidelberg, Germany, September 17, 2024.
 2024 **Warinner C.** Archaeology of the invisible. Invited institute seminar, presented at the Max Planck Institute for Evolutionary Anthropology, August 29, 2024.

- 2024 **Warinner C.** The milk paradox. Invited lecture, presented at the Food Systems Microbiomes – Addressing Global Needs and Challenges conference in Torino, Italy, May 14-17, 2024.
- 2024 **Warinner C.** The milk paradox. Radcliffe Fellow Seminar, May 8, 2024.
- 2024 **Warinner C.** Dairy Cultures and the milk paradox of the Eurasian steppe. Invited lecture in the Harvard Inner Asian and Altaic Studies lecture series, Cambridge, MA, USA, April 1, 2024.
- 2024 **Warinner C.** The archaeology of microbes. Invited lecture, presented at the Darwin Day celebration, “Evolution of humans and human culture – the impact of ancient DNA and the enabling technologies,” at the Centre for Ecological and Evolutionary Synthesis at the University of Oslo, Norway, February 12, 2024.
- 2023 **Warinner C.** The evolution and changing ecology of the human microbiome. Invited lecture presented at the 5th Shanghai Archaeology Forum (第五届世界考古论坛·上海), Shanghai, China, December 14-19, 2023.
- 2023 **Warinner C.** The milk paradox: a 9,000-year history of a fraught food. Invited seminar presented at the Harvard Archaeology Speaker Series Seminar, Cambridge, MA USA, December 7, 2023.
- 2023 **Warinner C.** Dairy Cultures. Invited lecture at the Chinggis Khan Museum, Ulaanbaatar, Mongolia, September 27, 2023.
- 2023 **Warinner C.** Dairy Cultures. Opening lecture of the Dairy Cultures: The Science of Mongolian Heritage exhibit, Natural History Museum, Ulaanbaatar, Mongolia, September 22, 2023.
- 2023 **Warinner C.** The impact of dairy-based diets on the gut microbiome: a view from Mongolia. Invited lecture, presented at the 13th Asian Conference on Lactic Acid Bacteria: Prospects of Probiotics Based on Lactic Acid Bacteria, Ulaanbaatar, Mongolia, August 16-18, 2023.
- 2023 **Warinner C.** Evolution of the Human Microbiome and Impact for Health and Disease. Invited lecture, presented at the New Frontiers in Reconstructing Human Evolution History, Keystone Symposia on Molecular and Cellular Biology, Hannover, Germany, May 29 to June 1, 2023.
- 2023 **Warinner C.** Archaeology of the invisible. Invited seminar presented at the Stanford Archaeology Center Lunch Club, Department of Anthropology, Stanford University, May 3, 2023.
- 2023 **Warinner C.** Invited panelist, Science Symposium: The future of lost genomes, National Academy of Sciences annual meeting, Washington D.C., April 30, 2023.
- 2023 **Warinner C.** Invited panelist, Research Ethics Consortium: Human Remains of Questionable Provenance within University Museums, Center for Bioethics, Harvard Medical School, March 24, 2023.
- 2023 **Warinner C.** Welcome Address. Werner Siemens Foundation Colloquium: Microbiome Functional Evolution from Past to Present. Hosted at the Hans Knoll Institute for Infection Biology and Natural Products Research, Jena, Germany, March 20, 2022.
- 2022 **Warinner C.** Archaeology of the Invisible. Invited keynote, presented at the annual German Rectors’ Conference, Jena, Germany, November 14, 2022.
- 2022 **Warinner C.** A tale of two sugars: the epic human story of amylose and lactose. Invited seminar, presented in the Club EvMed online seminar series, Duke University, November 2, 2022.
- 2022 **Warinner C.** A tale of two sugars: the epic human story of amylose and lactose. Invited lecture presented in the Department of Molecular Biosciences Seminar Series, University of Texas, to be Austin, October 12, 2022.
- 2022 **Warinner C.** A tale of two sugars: the epic human story of amylose and lactose. Invited lecture to be presented in the Nutrition and Global Health Program Seminar series, Harvard TH Chan School of Public Health, Boston, MA, USA, October 3, 2022.
- 2022 **Warinner C.** Hologenomic adaptations to amylose and lactose in the evolving human diet. Invited talk, presented at the Applied Hologenomics Conference, Bilbao, Portugal, September 11, 2022.
- 2022 **Warinner C.** The evolution and changing ecology of the human microbiome. Invited lecture presented at the Forsyth Institute, Cambridge, MA, USA, March 10, 2022.
- 2022 **Warinner C.** The evolution and changing ecology of the human microbiome. JAR Distinguished Lecture, presented at the University of New Mexico, March 2022.
- 2021 **Warinner C.** The evolution and changing ecology of the human microbiome. Invited talk presented at the workshop [“Ancient DNA: from humans to human pathogens and microbiomes.”](#) Department of Genomes and Genetics, Pasteur Institute, organized by Nicolás Rascovan, November 4, 2021.

- 2021 **Warinner C.** Investing in responsible and inclusive science: accessibility, outreach, and education. Invited talk presented at the international seminar "[Archaeological heritage and its social dissemination: New challenges and proposals for education in equality through museums.](#)" Universidad Autónoma de Madrid, organized by Lourdes Prados Torreira and Ana B. Herranz Sánchez, November 19-20, 2021.
- 2021 **Warinner C.** Seeing together: a transdisciplinary view of our shared human past. Keynote address presented at the 2021 Summer School of the MPI-SHH International Max Planck Research School (IMPRS), August 16-27, 2021.
- 2021 **Warinner C.** Archaeology of the Invisible: New frontiers in biomolecular zooarchaeology. Invited talk presented in the International Association for Archaeological Research in Western and Central Asia (ARWA) webinar series, July 22, 2021.
- 2021 **Warinner C.** Archaeology of the Invisible. Keynote address presented at the 9th International Symposium on Biomolecular Archaeology (ISBA), Toulouse, France, June 4, 2021.
- 2021 **Warinner C.** Archaeology of the Invisible: New frontiers in biomolecular zooarchaeology. Invited talk presented to Altai State University, Barnaul, Russia, May 12, 2021.
- 2021 **Warinner C.** Archaeology of the invisible. One of five speakers selected to represent the Harvard faculty at the Veritas Thinks Big freshman recruitment week. Presented April 18, 2021.
- 2021 **Warinner C.** Archaeology of the invisible. MIT Microbiome Symposium. Presented April 15, 2021.
- 2021 **Warinner C.** Biomedical archaeology. Partners in Health Seminar. Presented April 2, 2021.
- 2021 **Warinner C.** The evolution and ecology of the hominid oral microbiome. [Wellcome Trust Symposium on the Ancient Biomolecules of Plants, Animals, and Microbes.](#) Presented March 29-31, 2021.
- 2021 **Warinner C.** The Archaeology of the Invisible. Lowell Conversations, Harvard College, February 22, 2021.
- 2021 **Warinner C.** The Archaeology of the Invisible. Invited lecture presented at in the Friedrich Schiller University Seminar Series at the Institute of Zoology and Evolutionary Research, February 4, 2021.
- 2020 **Warinner C.** The Archaeology of the Invisible. Invited lecture presented at the UCONN Archaeology Seminar, USA, December 20, 2020.
- 2020 **Warinner C.** The Archaeology of the Invisible. Invited lecture presented to the German Archaeological Institute, Germany, December 15, 2020.
- 2020 **Warinner C.** The Archaeology of the Invisible. Invited lecture presented at the Pasteur Institute, Paris, France, November 19, 2020. **Postponed to 2021 due to COVID-19**
- 2020 **Warinner C.** Archaeology of the Invisible. Invited lecture presented in the Martin Aitken Archaeological Science Seminar Series, Oxford University, UK, October 22, 2020.
- 2020 **Warinner C.** The evolution and ecology of the hominid oral microbiome. Invited lecture presented in the Journée François Jacob Symposium "Paleo-biology" at the College de France, Paris, France, September 28, 2020.
- 2020 **Warinner C.** Archaeology of the Invisible. Invited lecture presented to the Faculty of Archaeology, University of Leiden, Netherlands, September 15, 2020.
- 2020 **Warinner C.** Archaeology of the Invisible. Keynote address presented at the 9th International Symposium on Biomolecular Archaeology (ISBA), Toulouse, France, September 22-25, 2020. **Postponed due to COVID-19**
- 2020 **Warinner C.** Roundtable discussant on "Developing a bioethos for paleogenomics: from the individual sequence to the grand narrative," Theoretical Archaeological Group, Stanford University, May 1-3, 2020. **Cancelled due to COVID-19**
- 2020 **Warinner C.** Archaeology of the invisible. One of five speakers selected to represent the Harvard faculty at the Veritas Thinks Big freshman recruitment week, April 19, 2020. **Cancelled due to COVID-19**
- 2020 **Warinner C.** The evolution and changing ecology of the human microbiome. Keynote address presented at the MIT Microbiome Symposium, Cambridge, MA USA, March 30, 2020. **Cancelled due to COVID-19**
- 2020 **Warinner C.** The archaeology of microbes. Keynote address at the final conference of the ArchSci2020 Marie Curie Action, Groningen, Netherlands, March 23-25, 2020. **Cancelled due to COVID-19**

- 2019 **Warinner C.** Archaeology of the Invisible. Distinguished invited speaker for the annual Albert Reckitt Archaeological Lecture of the British Academy, London, UK, December 10, 2019.
- 2019 **Warinner C.** Tracking the invisible: new frontiers in biomolecular zooarchaeology. Invited talk presented at the Proteins and Fibers Inquiry micro-workshop at the Max Planck Institute for the History of Science, Berlin, Germany, June 27, 2019.
- 2019 **Warinner C.** "Archaeology of the invisible: ancient microbes in food, health, and disease." Invited public talk presented at the Hebrew University-Hadassah School of Dental Medicine, Institute of Dental Sciences, June 13, 2019.
- 2019 **Warinner C.** "The evolution and changing ecology of the human microbiome." Invited scientific talk presented at the Hebrew University-Hadassah School of Dental Medicine, Institute of Dental Sciences, June 13, 2019.
- 2019 **Warinner C, Hübner A.** "Archaeology of the Invisible". Invited talk presented in the Archaeology Seminar Series at the Ruhr-Universität Bochum, Bochum, Germany, April 26, 2019.
- 2019 **Warinner C.** "The archaeology of microbes." Invited talk presented at the Harvard Microbial Sciences Initiative Symposium, Harvard University, Cambridge, MA, USA, April 13, 2019.
- 2019 **Warinner C.** "The archaeology of beneficial microbes." Invited lecture presented at the EMBL Science and Society Conference, "Reconstructing the Human Past," Heidelberg, Germany, March 31 to April 4, 2019.
- 2019 **Warinner C.** "Prehistoric dairying in East Asia." Presented to the Archaeology Department, Jilin University, Changchun, China, March 25, 2019.
- 2019 **Warinner C.** "Evolution and changing ecology of the human oral microbiome." Invited lecture presented to the Department of Stomatology, Sichuan Dental School, Sichuan, China, March 19, 2019.
- 2019 **Warinner C.** "The archaeology of microbes." Invited lecture presented to the Department of Archaeology, Sichuan University, China, March 18, 2019.
- 2019 **Warinner C.** "Archaeology of the Invisible: Why archaeology and genetics need each other". Keynote address presented at the workshop State of the Field: Archaeological Perspectives on the Ancient DNA Revolution. Joukowsky Institute of Archaeology and the Ancient World, Brown University. Providence, RI, USA, February 22-24, 2019.
- 2018 **Warinner C.** "Heirloom Microbes: The history and legacy of ancient dairy cultures," Invited lecture presented to J-Milk Japan Dairy Association, Tokyo, Japan, August 3, 2018.
- 2018 **Warinner C.** "Microbial and molecular ecology of humans: from the microbiome to milk," Invited lecture presented at the Max Planck Institute for Chemical Ecology Symposium, Jena, Germany April 6, 2018.
- 2018 **Warinner C.** "Microbial archaeology: from the microbiome to milk," Invited lecture presented at the Department of Anthropology Seminar Series, University of Pennsylvania, March 12, 2018.
- 2018 **Warinner C.** "Microbial archaeology: from the microbiome to milk," Invited lecture presented at the Department of Anthropology Seminar Series, Dartmouth College, March 9, 2018.
- 2018 **Warinner C.** "Molecular archaeology: from microbes to milk," Invited lecture presented at Harvard University, Cambridge, MA, USA, February 15, 2018.
- 2018 **Warinner C.** "Heirloom Dairy Cultures: The Prehistoric Origins and Modern Diversity of Eurasian Dairying," Invited lecture presented at the Mongolei Colloquium, Humboldt University, Berlin, Germany, January 24, 2018.
- 2018 **Warinner C.** "The future of archaeological science," Invited lecture presented at the McDonald Institute for Archaeological Research, Cambridge University, Cambridge, UK, November 20, 2017.
- 2017 **Warinner C.** "The evolution and changing ecology of the human microbiome," Invited lecture presented at the Wellcome Trust Advanced Scientific Conference, Cambridge, UK, November 22, 2017.
- 2017 **Warinner C.** "The Evolution and Changing Ecology of the Human Microbiome: Insights from Paleogenomics," Invited plenary lecture presented at the Leibniz-Institut für Altersforschung - Fritz-Lipmann-Institut e.V. (FLI) Annual Retreat, Luisenthal, Germany, September 6, 2017.
- 2017 **Warinner C and Hendy J.** "Das wiederentdeckte Erbe der Milchkulturen: Eine kulturelle, archäologische und mikrobiologische Untersuchung der Entwicklungsgeschichte von Milchprodukten," Invited lecture presented at the Max Planck Society Donor Meeting, Jena, Germany, June 22, 2017.

- 2017 **Warinner C.** "The evolution and changing ecology of the human microbiome," Invited lecture presented in the Jena Stars Microbial Communication Colloquium (MiCoCo), Jena School of Microbial Communication, University of Jena, Germany, May 3, 2017.
- 2017 **Warinner C.** "The ancestral human microbiome: the evolution and ecology of our microbial self," Invited lecture presented in the Department of Plant and Microbial Biology Seminar Series, University of California, Berkeley, CA, USA, April 5, 2017.
- 2017 **Warinner C.** "Archaeology of the invisible: Molecular approaches for reconstructing diet, health, and the ancestral human microbiome," Invited lecture presented in the Archaeology Seminar Series, Harvard University, Cambridge, MA, USA, March 27, 2017.
- 2017 **Warinner C.** "The genetics of grime and dust," Invited lecture presented in the Science of Parchment Symposium, University of Oklahoma, Norman, OK, USA, March 23-34, 2017.
- 2017 **Warinner C.** "The evolution and changing ecology of the human microbiome," Invited lecture presented in the Seminar Series in Evolutionary Medicine, Institute for Evolutionary Medicine, University of Zürich, Switzerland, March 1, 2017.
- 2017 **Warinner C.** "Sampling Dental Calculus for Metagenomics and Proteomics," Invited presentation at the Wellcome Trust Workshop on Sampling in Biomolecular Archaeology, London, UK, February 23, 2017.
- 2017 **Warinner, C.** Invited Discussant for session on "Megafauna from Molecules," Megafauna and Methods: New Approaches to the Study of Megafaunal Extinctions, organized by the Max Planck Institute for the Science of Human History, Department of Archaeology, Jena, Germany, February 20, 2017.
- 2016 **Warinner C.** "Diet, Health, and our Ancient Microbial Self," Invited lecture presented at the Garrod Seminar, Division of Archaeology, Cambridge University, UK, October 27, 2016.
- 2016 **Warinner C.** "Begrimed with sweat and smeared all with dust: Prospects for reading the social life of books through biomolecular analyses." Invited lecture presented at the Shakespeare Association of America, New Orleans, March 25, 2016.
- 2016 **Warinner C.** "Reconstructing the ancestral human microbiome," Invited lecture presented at the Max Planck Institute for the Science of Human History, Jena, Germany, March 15, 2016.
- 2016 **Warinner C.** "Data generation from ancient microbiota: Laboratory strategies and considerations." Invited lecture presented at the workshop on Standards, Precautions, and Advances in Ancient Metagenomics. Max Planck Institute for the Science of Human History, Jena, Germany, March 16, 2016.
- 2016 **Warinner C.** "Reconstructing the ancestral human microbiome," Invited lecture presented in the Integrative Biology Seminar Series, University of Texas, Austin, Texas, March 3, 2016.
- 2015 **Warinner C.** "Ancient Microbiomes and Human Health." Invited lecture presented at the Omics Bioinformatics and Systems Biology course sponsored by the Sino-Danish Center, Beijing, China, June 12, 2015.
- 2015 **Warinner C.** "Ancient Human Microbiomes." Invited lecture presented at the Marjorie I. and Bernard A. Mitchell Conference in Human Genetics, "Everything old is new again: frontiers in ancient DNA research," at the University of Chicago, May 21-22, 2015.
- 2015 **Warinner C.** "Diet, Health, and our Microbial Self." Invited lecture presented at the 10th Annual Frontiers in Genomics conference at the National Autonomous University of Mexico (UNAM), Morelos, Mexico, May 11-12, 2015.
- 2015 **Warinner C.** "Reconstructing our ancient microbial self." Invited lecture presented at the Paleogenomics Meetings organized by the Department of Anthropology, University of California, Santa Cruz, April 14, 2015.
- 2015 **Warinner C.** "Reconstructing our ancient microbial self." Invited lecture presented at the Center for Evolution and Medicine, Arizona State University, February 12, 2015.
- 2015 **Warinner C.** "Reconstructing our ancient microbial self." Invited lecture presented in the Department of Molecular and Computational Biology Seminar Series, University of Southern California, February 6, 2015.
- 2015 **Warinner C.** "Ancient Human Microbiomes." Plenary lecture presented at the 23rd International Plant and Animal Genomes conference in San Diego, CA, January 14, 2015.
- 2014 **Warinner C.** "The evolution and ecology of the human oral microbiome." Invited lecture presented at the Kavli Frontiers of Science Symposium in partnership with the US National Academy of Sciences, November 17-19, 2014.

- 2014 **Warinner C.** "Promoting healthy Native American communities." Invited lecture presented in the OU Health Sciences Center Department of Microbiology and Immunology Seminar Series, October 28, 2014.
- 2014 **Warinner C.** "Reconstructing our ancient microbial self." Invited lecture presented at the Hilgendorf Lecture at the University of Tuebingen, Germany, October 21, 2014.
- 2014 **Warinner C.** "Reconstructing the Ancient Human Oral Microbiome." Invited lecture presented at the Seminar on Paleogenomics sponsored by the Centro de Ciencias Genomicas and the Universidad Nacional Autonoma de Mexico (UNAM), Morelos, Mexico, October 14, 2014.
- 2014 **Warinner C.** "Ancient microbiomes: the evolution and ecology of our microbial self." Invited lecture presented to the University of Oklahoma Department of Botany and Microbiology, Sept. 26, 2014.
- 2014 **Warinner C.** "The Evolution and Ecology of the Human Oral Microbiome." Invited lecture presented to the University of Oklahoma College of Dentistry, July 1, 2014.
- 2014 **Warinner C.** "Exploring Ancient Diets." Invited lecture presented at the Lambda Alpha Senior Spring Dinner at the University of Tulsa, Tulsa, OK, May 1, 2014.
- 2014 **Warinner C.** "Microbiomes and Paleomicrobiology." Invited lecture presented to the Department of Anthropology at the University of Tulsa, Tulsa, OK, May 2, 2014.
- 2013 **Warinner C.** "The future of dental calculus research." Invited lecture presented at the University of York Department of Archaeology Seminar Series, York, UK, November 27, 2013.
- 2013 **Warinner C, Speller C, Collins, MJ.** ["A new era in paleomicrobiology: microbiomes."](#) Invited lecture presented at the Royal Society Meetings, "Ancient DNA: The first three decades," in London, UK, November 19, 2013.
- 2013 **Warinner C.** "Ten Percent Human: The Science of the Human Superorganism." Invited lecture presented at the Research Campus Spotlight Lecture, sponsored by the University of Oklahoma Center for the Creation of Economic Wealth, University of Oklahoma, April 13, 2013.
- 2013 **Warinner C.** "Dental Calculus: A Novel Biomolecular Reservoir of Ancient Health and Dietary Information." Invited lecture presented at the Department of Oral Biology, College of Dentistry, University of Florida, Gainesville, February 18, 2013.
- 2012 **Warinner C.** "Dental calculus: Biomolecular approaches to inferring ancient diet," Invited lecture presented at the Institute for Plant Biology, University of Zürich, July 23, 2012.
- 2012 Rühli F and **Warinner C.** "Evolutionary Medicine," Invited lecture presented to the ETH Joining Forces Symposium, Swiss Institute of Technology, Zürich, Switzerland, June 22, 2012.
- 2012 **Warinner C.** "Dental Calculus: A Novel Biomolecular Reservoir of Ancient Health and Dietary Information." Invited lecture presented at the Forsyth Institute, Cambridge, MA, April 23, 2012.
- 2011 **Warinner C.** "The role of ancient DNA in evolutionary medicine." Invited lecture presented to the Arbeitsgruppe für Klinische Paläopathologie, Medizinhistorisches Institut und Museum der Universität Zürich und Uniklinik Balgrist Zürich. Sponsored by the Arbeitsgemeinschaft für Historische Anthropologie der Schweiz (AGHAS), Zürich, Switzerland, December 9, 2011.

CONFERENCE PODIUM PRESENTATIONS

- 2022 Walden JP, **Warinner C**, Kennett DJ, Hoggarth JA, Green Mink K, Izzo VSR, Ebert CE, Guerra RA Krause J, Awe JJ. Local-Level Approaches to Understanding Social Kinship and Biological Relatedness among the Classic Maya Polities of the Belize River Valley. Lecture to be presented at the Theoretical Archaeology Group (TAG) Conference, Edinburgh, UK 15-17 December 2022.
- 2022 Velsko IM, **Warinner C.** Distinctive Streptococcus clades characterize oral niches regardless of industrialization status and oral pathology. Presented at the Applied Hologenomics Conference, Bilbao, Portugal, September 2022.
- 2022 **Warinner C.** "High altitude food culture in prehistoric Nepal," Presented at the Society for American Archaeology meetings, Chicago, IL, March 30-April 3, 2022.
- 2022 Rest M, **Warinner C.** "Breaking out of the mold: imagining new forms of scholarly communication for archaeological science." To be presented at the Society for American Archaeology meetings, Chicago, IL, March 30-April 3, 2022.
- 2019 **Warinner C.** Welcome Address. Presented at the Wenner Gren Symposium "Cultures of Fermentation," Sinta, Portugal, October 11-17, 2019.

- 2019 Hendy J, **Warinner C.** "The origins and antiquity of dairying." Presented at the BMBF Microbes on the Move Traveling Conference, Bishkek, Kyrgyzstan, May 25, 2019.
- 2019 **Warinner C.** "Conference welcome address and opening remarks." Presented at the BMBF Microbes on the Move Traveling Conference, Bishkek, Kyrgyzstan, May 24, 2019.
- 2019 Hendy J, **Warinner C.** "The origins and antiquity of dairying." Presented at the BMBF Microbes on the Move Traveling Conference, Ulaanbaatar, Mongolia, May 22, 2019.
- 2019 **Warinner C.** "Conference welcome address and opening remarks." Presented at the BMBF Microbes on the Move Traveling Conference, Ulaanbaatar, Mongolia, May 21, 2019.
- 2019 **Warinner C.** "Archaeology of the Invisible: Proteins and Metabolites," Presented in the session Mass Spectrometry: New Advances in Chemistry, Archeology, and Paleontology at the AAAS Annual Meeting, Washington, D.C., USA, February 16, 2019.
- 2019 **Warinner C.** "Reconstructing prehistoric dairy cultures: tracking the spread of dairying on the Eurasian steppe." International Seminar on Archaeology of Central Asia. Vilnius, Lithuania, January, 14, 2019.
- 2019 **Warinner C.** "Dairying on the eastern fringes of the Eastern Eurasian Steppe." Presented at the Interdisciplinary Conference in Tandem Style, Transeurasian Millets and Beans, Language and Genes, Jena, Germany, January 9-10, 2019.
- 2018 **Warinner C.** "The archaeology of microbes," Invited lecture presented at the EMBL Science and Society Conference, "Infectious Diseases: Past, Present, and Future," Heidelberg, Germany, November 15-16, 2018.
- 2018 **Warinner C.** "Who made the books of the Middle Ages? Dental calculus and the role of women in medieval manuscript production," Presented at the Max Planck Harvard Center for the Ancient Mediterranean (MHAAM) Symposium and Scientific Advisory Committee Meeting, Jena, Germany, September 17, 2019.
- 2018 **Warinner C.** "Bronze Age population dynamics and the rise of dairy pastoralism on the eastern Eurasian steppe," Presented at the 8th annual International Symposium for Biomolecular Archaeology (ISBA), Jena, Germany, September 20, 2018.
- 2018 **Warinner C.** "Population migration and dairy pastoralism on the Bronze Age Mongolian steppe," Presented at the European Association of Archaeologists meetings, Barcelona, Spain, September 5-8, 2018
- 2018 **Warinner C.** "Why ancient dairying?" Presented at the Ancient Proteins meeting, Copenhagen, Denmark, August 21, 2018.
- 2018 **Warinner C.** "Population migration and dairy pastoralism on the Bronze Age Mongolian steppe," Presented at the Society for Molecular Biology and Evolution meetings, Yokohama, Japan, July 8-12, 2018.
- 2018 **Warinner C.** "Population migration and dairy pastoralism on the Bronze Age Mongolian steppe," Presented at the Society for East Asian Archaeology meetings, Nanjing, China, June 8-11, 2018.
- 2018 **Warinner C.** "Heirloom Dairy Cultures: The Prehistoric Origins and Modern Diversity of Eurasian Dairying." Invited talk presented at the 28rd International Plant and Animal Genomes conference in San Diego, CA, January 2018.
- 2017 **Warinner C.** "The Anthropology of Microbes," Invited talk presented at the Associazione Genetica Italiana-AAI Conference, Cortona, Italy, September 9, 2017.
- 2016 **Warinner C.** "Debunking the Paleo myth," Invited talk presented at the International Conference on Nutrition in Medicine sponsored by George Washington University School of Medicine and the Physicians Committee for Responsible Medicine, Washington, D.C., July 29-30, 2016.
- 2016 **Warinner C.** "The evolution of our microbial self," Invited talk presented at the Society for Molecular Biology and Evolution (SMBE), Queensland, Australia, July 3-7, 2016.
- 2016 **Warinner C.** "Long-term genetic stability and a high altitude East Asian origin for the peoples of the high valleys of the Himalayan arc," Invited talk presented at the Society for East Asian Archaeology, Cambridge, MA, June 8-12, 2016.
- 2016 **Warinner C.** "The anthropology of microbes." Invited talk presented in the Genetic Evidence Panel Executive Session at the 115th Annual meeting of the American Anthropological Association, Minneapolis, MN, November 17, 2016.
- 2016 Camilla Speller, Jessica Hendy, Anita Radini, Sarah Fiddymment, **Christina Warinner**, Matthew Collins. "Proteomic evidence for dietary biomolecules entrapped in dental calculus." 7th International Symposium on Biomolecular Archaeology, Oxford, UK, September 15, 2016.

- 2016 **Warinner C**, Sankaranarayanan K, Lewis C. "An empty gut: the recent loss of our microbial symbionts," Talk presented at the Society for American Archaeology Annual Meetings, Orlando, FL, April 7-10, 2016.
- 2016 Lewis C, **Warinner C**. "A biocultural assessment of gene flow, the Andes and the Himalayas," Presented at the Role of High Altitude Landscapes in the Peopling of the New World Symposium, Society for American Archaeology Annual Meetings, Orlando, FL, April 7-10, 2016.
- 2016 Jeong C, Ozga AT, Witonsky D, Malmstrom H, Jakobsson M, Lewis CM, Aldenderfer M, Di Rienzo A, **Warinner C**. "Long-term genetic stability and a high altitude East Asian origin for the peoples of the high valleys of the Himalayan arc." Presented at the 85th American Association of Physical Anthropologists meeting, Atlanta, GA, April 12-16, 2016.
- 2016 **Warinner C**. "The evolution and ecology of our microbial self," Invited talk presented at the Evolutionary Biology Impacts on Medicine and Public Health Symposium, AAAS Annual Meeting, Washington, D.C., February 11-15, 2016.
- 2015 **Warinner C**. "Ancient Human Microbiomes." Invited talk presented at the 9th Annual International Society for Applied Biological Sciences (ISABS) Conference in Forensics, Anthropological, and Medical Genetics and Mayo Clinic Lectures on Translational Medicine in Bol, Island of Brac, Croatia, June 22-26, 2015.
- 2015 **Warinner C**. "Direct evidence of milk consumption from ancient human dental calculus." Talk presented at the Society for American Archaeology conference in San Francisco, CA, April 18, 2015.
- 2015 **Warinner C**. "Direct evidence of milk consumption from ancient human dental calculus." Talk presented at the American Association of Physical Anthropologists conference in St. Louis, MO, March 25, 2015.
- 2015 **Warinner C**. "Direct evidence of milk consumption from ancient human dental calculus." Talk presented at the 23rd International Plant and Animal Genomes conference in San Diego, CA, January 14, 2015.
- 2014 **Warinner C**. "Reconstructing our ancient microbial self." Invited talk presented at the 9th International Conference on Genomics (ICG-9) in Shenzhen, China, September 9-12, 2014.
- 2014 Hendy J, **Warinner C**, Speller C, Collins MJ. "Direct evidence of milk consumption from ancient human dental calculus." Talk presented at the International Symposium on Biomolecular Archaeology in Basel, Switzerland, August 27-29, 2014.
- 2014 **Warinner C**. "Ancient biomolecules and new possibilities in Mixtec archaeology." Invited talk presented at the Society for American Archaeology meetings in Austin, TX, April 25, 2014.
- 2014 Lewis CM, **Warinner C**, Ozga A. "Human microbiomes and non-traditional molecular archaeology." Presented at the American Association of Physical Anthropologists meeting in Calgary, Alberta, Canada, April 12, 2014.
- 2014 Craig L and **Warinner C**. "Characterizing the Reproductive Microbiome: The ChaRM Study." Invited talk presented at the Department of Obstetrics and Gynecology, University of Oklahoma Health Sciences Center, April 14, 2014.
- 2013 Speller C, Fiddyment S, McDonald S, **Warinner C**, Charlton S, Hendy J, Thomas GH, Collins M. "By the skin of your teeth: a biomolecular study of periodontal disease through time." Presented at the British Association for Biological Anthropology and Osteoarchaeology (BABAO), York, UK, September 13-15, 2013.
- 2013 Speller C, **Warinner C**, McDonald S, Fiddyment S, Holst M, Charlton S, Hendy J, Thomas GH, Hofreiter M, Collins M. "The 'Omics of Dental Calculus: Insights into the history of oral and systemic diseases." Presented at the First International Environmental 'Omics Synthesis Conference, Cardiff, UK, September 9-11, 2013.
- 2013 **Warinner C**. "Ancient DNA and the Metagenomics of Disease." Talk presented at the American Association of Physical Anthropologists in Knoxville, TN, April 9-13, 2013.
- 2013 **Warinner C**. "Paleopathology and Paleodiet in the Era of Metagenomics." Talk presented at the Society for American Archaeology in Honolulu, HI, April 3-7, 2013.
- 2012 **Warinner C**, Rodrigues J, Vyas R, Trachsel C, Shved N, Radini A, Hancock Y, Grossmann J, Samaniego-Castruita JA, Charlton S, Eppler E, Seiler R, Luder HU, Fiddyment S, Teoh KY, von Mering C, Collins M, Gilbert MTP, Rühli F, Cappellini E. "Dental Calculus: A Novel Biomolecular Reservoir for Paleopathology and Paleodietary Inquiry." Talk presented at the Archaeological Sciences of the Americas Symposium in Nashville, TN, October 5-6, 2012.

- 2012 **Warinner C**, Cappellini E, Samaniego JA, Teoh KY, Sophy Charlton, Shved N, Anita Radini, Collins MJ, Gilbert MTP, Rühli F. "Biomolecular Approaches to Recovering Health and Dietary Information from Ancient Dental Calculus." Invited talk presented at the Fifth International Symposium on Biomolecular Archaeology in Beijing, China, August 2012.
- 2012 **Warinner C**, Cappellini E, Teoh KY, Collins MJ, Gilbert MTP, and Rühli F. "Dental Calculus: A novel biomolecular reservoir of ancient dietary and health indicators." Invited talk presented at the Society for American Archaeology meetings in Memphis, TN, April 18-22, 2012.
- 2011 **Warinner C**, Shved N, Link K, and Rühli F. "Archaeogenetic and histological analysis of salt mummification under natural and artificial conditions." Invited talk presented at the 1st International Symposium on Ancient Cadaver Protection and Research, hosted by the Chinese Museum Association and the Hunan Provincial Museum, Changsha, China, September 16-20, 2011.
- 2011 Shved N, Papageorgopoulou C, Paulsen K, Haas C, **Warinner C**, Rühli F. "Archaeogenetic and histological analysis of natural mummification under high salt conditions: Investigation of the Chehr Abad Salt Men (1500-2500 BP)." Talk presented at the 2011 World Mummy Congress in San Diego, CA, June 12-16, 2011.
- 2011 **Warinner C**. "From the ground up: advances in stable-isotope based paleodietary inference." Talk presented at the Society for American Archaeology meetings in Sacramento, CA, March 30 - April 3, 2011.
- 2010 **Warinner C**, Robles N, Spores R, Tuross N. "Life and death at Teposcolula Yucundaa: mortuary, archaeogenetic, and isotopic investigations of the Early Colonial Period in Mexico." Talk presented at the Fourth International Symposium on Biomolecular Archaeology in Copenhagen, Denmark, September 7-11, 2010.
- 2008 **Warinner C**, Spores R, Robles-Garcia N, Tuross N. "More than 100% Maize: The Mesoamerican isotope dilemma." Talk presented at the Society for American Archaeology meetings in Vancouver, Canada, 2008.
- 2007 **Warinner C**, Raju R, Buikstra J, Tuross N. "Protein-based Approaches to Identifying Tuberculosis in the Archaeological Record." Talk presented at the American Association of Physical Anthropologists meetings in Philadelphia, PA, 2007.
- 2006 **Warinner C** and Tuross N. "Maize Bread for Everyone? Putting Mesoamerican paleodiet models to the test." Talk presented in the Fryxell Symposium at the Society for American Archaeology meetings in San Juan, Puerto Rico, 2006.

CONFERENCE POSTER PRESENTATIONS

- 2022 Hübner A, Hofman C, Velsko I, Fagernäs Z, Mann AE, Boenke N, Bouwman A, Jeong C, Honap T, Hagan R, Wibowo M, Kostic A, Reinhard K, Aali A, Lewis CM, Stöllner T, Rühli F, Sankaranarayanan K, **Warinner C**. Paleofeces reveal recent loss of diversity and microbial symbionts in the human gut microbiome. To be presented at the Applied Hologenomics Conference, Bilbao, Portugal, September 2022.
- 2018 **Warinner C**, Jeong C, Wilkin S, Amgalantugs T, Bouwman A, Taylor W, Bromage S, Tsolmon S, Hagan R, Trachsel C, Grossman J, Littleton J, Makarewicz C, Krigbaum J, Burri M, Irmer F, Scott A, Davaasambuu G, Wright J, Myagmar E, Boivin N, Robbeets M, Rühli F, Krause J, Frohlich B, Hendy J, **Warinner C**. Bronze Age population dynamics and the rise of dairy pastoralism on the eastern Eurasian steppe. Poster presented at the Society for Molecular Biology and Evolution meetings, Yokohama, Japan, July 8-10, 2018.
- 2016 Ozga A, Honap T, Nieves-Colon M, Sankaranarayanan K, Milner G, Hofman CA, Lewis C, Stone AC, **Warinner C**. "Successful enrichment and recovery of whole mitochondrial genomes from ancient human dental calculus." Poster presented at the 85th American Association of Physical Anthropologists meeting, Atlanta, GA, April 12-16, 2016.
- 2015 Ziesemer K, Hoogland Y, Hoogland M, **Warinner C**, Hofman C & Schroeder H. "Ancient DNA research in Caribbean archaeology: challenges and prospects." Poster presented at the 26th International Congress for Caribbean Archaeology, Saint Martin, July 19-25, 2015.
- 2015 Ziesemer K, Mann A, Schroeder H, Hoogland MLP, Sankaranarayanan K, Hofman C, **Warinner C**. "Intrinsic challenges in ancient microbiome reconstruction using 16S rRNA gene amplification." Poster presented at the Society for Molecular Biology and Evolution meetings, Vienna, Austria, July 12-16, 2015.

- 2014 Ziesemer K, Hoogland M, **Warinner C**. "Assessment of DNA preservation in dental calculus from a select group of post-medieval Dutch and pre-colonial Caribbean human skeletal remains." Poster presented at the International Symposium on Biomolecular Archaeology in Basel, Switzerland, August 27-29, 2014.
- 2013 **Warinner C**, Krüttli A, Bouwman A, Rodrigues JFM, Vyas R, Radini A, Trachsel C, Grossmann J, Luder HU, Shved N, Salazar-García DC, Speller C, Tito RY, Hendy J, Fiddyment S, Mering C, Lewis, Jr. CM, Gilbert MTP, Collins MJ, Cappellini E, Rühli F. "Ancient DNA and Paleoprotein Investigation of Dairying and the Evolution of European Diet." Poster presented at in the Ernährung: Leistung und Gesundheit session at the Nationale Fachtagung der Schweizerische Gesellschaft für Ernährung, Inselspital Bern, Switzerland, September 5, 2013.
- 2013 **Warinner C**, Tito R, Rodrigues J, Vyas R, Speller C, Trachsel C, Grossmann J, Luder HU, Shved N, von Mering C, Rühli F, Cappellini E, Lewis, Jr. CM. "Extending oral and gut microbiome research into the human evolutionary past." Poster presented at the National Institutes of Health Human Microbiom Sciences Conference, Bethesda, MD, July 24-26, 2013.
- 2013 Charlton S, Collins MJ, Hendy J, Fiddyment S, Speller C, **Warinner C**. "Proteomic analyses of dental calculus: A Victorian Oral Microbiome." Poster presented at the UK Archaeological Science (UKAS) Biennial Conference in Cardiff, England, April 11-14, 2013.
- 2013 Hendy J, Charlton S, Speller C, Fiddyment S, Collins MJ, **Warinner C**. "A novel approach to the study of disease, health and diet in the Transatlantic Slave Trade." Poster presented at the UK Archaeological Science (UKAS) Biennial Conference in Cardiff, England, April 11-14, 2013.
- 2013 Law M, Sykes N, **Warinner C**, d'Alpoim Gudes C. "The case for digital reference collections in environmental archaeology." Poster presented at the UK Archaeological Science (UKAS) Biennial Conference in Cardiff, England, April 11-14, 2013.
- 2010 D'Alpoim Guedes J, **Warinner C**. "Establishing open-access online reference collections for archaeobotanical research: macrobotanical, microbotanical, and isotopic data." Poster presented at the International Work Group for Paleoethnobotany meetings in Wilhelmshaven, Germany, May 31-June 5, 2010.
- 2009 **Warinner C**, Robles-García N, Tuross N. "The isotopic diversity of the Middle American dietome: implications for paleodiet reconstruction and the origins of maize agriculture." Poster presented at the UK Archaeological Science (UKAS) Biennial Conference in Nottingham, England, September 8-10, 2009.

FURTHER TRAINING

- 2012 Training course, Programming for Evolutionary Biology, University of Leipzig (Germany) and Volkswagen Stiftung
- 2008 Ancient DNA laboratory methods training, Department of Anthropology, Simon Fraser University, Vancouver, Canada
- 2007 Visiting Scientist, Smithsonian Institution, Laboratories of Analytical Biology
- 2007 Training course, Advanced PCR Methodologies, National Institutes of Health, Bethesda, MD
- 2005 Training course, University of Bradford, Human Skeletal Paleopathology Short Course, UK
- 2005 Training course, University of New Mexico, Bioarchaeology Field School, Kampsville, IL
- 2001 Student Archaeologist, Belize Valley Archaeological Reconnaissance Project Field School

TEACHING EXPERIENCE

- 2025, 2023, 2020 Course Instructor, Harvard University, *Introduction to Archaeological Science*
- 2025, 2023, 2021, 2020 Course Instructor, Harvard University, *Professionalization in Archaeology*
- 2022, 2019 Course Instructor, Harvard University, *Human Diet: From Neanderthals to the Future of Food*
- 2021 Course Co-Instructor, Harvard University, *Osteoarchaeology*
- 2024, 2020 Course Instructor, Harvard University, *Sick: 10,000 years of health and disease*
- 2018 Course Instructor, MPI-SHH International Max Planck Research School (IMPRS), *Introduction to Scientific Publication*

2015	Course Instructor, University of Oklahoma, <i>Anthropology of Microbes</i>
2015, 2014	Course Instructor, University of Oklahoma, <i>Anthropology of Human Diet and Nutrition</i>
2012	Course Assistant, University of Zurich, <i>Practical Histology I</i> . Instructor: Frank Rühli
2011	Course Assistant in Training, University of Zurich, <i>Practical Histology II</i> . Instructor: Frank Rühli
2011	Course Assistant in Training, University of Zurich, <i>Practical Histology I</i> . Instructor: Frank Rühli
2009	Head Teaching Fellow, Harvard University, <i>Digging the Glyphs</i> . Instructor: Marc Zender
2008	Teaching Fellow, Harvard University, <i>Human Colonizations of Australia and the Americas</i> . Instructor: Iain Davidson
2007	Teaching Fellow, Harvard University, <i>Introduction to Mesoamerican Civilizations</i> . Instructor: David Carrasco
2008, 2007	Teaching Fellow, Harvard University, <i>Feeding the World, Feeding Yourself</i> . Instructor: Noreen Tuross and Missy Holbrook. <i>Head Teaching Fellow in 2008</i>
2006	Teaching Fellow, <i>Introduction to Archaeology</i> . Instructor: Jason Ur and Noreen Tuross
2001	Undergraduate Teaching Assistant, University of Kansas, <i>Principles of Biology</i>
2002, 2001	Undergraduate Teaching Assistant, University of Kansas, <i>Principles of Cellular and Molecular Biology</i>

Workshops

2024, 2023, 2022	Course Developer and Co-Instructor, <i>Introduction to Ancient Metagenomics</i> Summer School, financially supported by the Werner Siemens Foundation and co-sponsored by the Max Planck-Harvard Center for the Archaeoscience of the Ancient Mediterranean (MHAAM), the Max Planck Institute for Evolutionary Anthropology (MPI-EVA), the Standards, Precautions, and Advances in Ancient Metagenomics community (SPAAM), and the Jena School of Microbial Communication, Friedrich Schiller University, Jena, Germany. Organizers: C Warinner and J Fellows Yates, August 1-5, 2022, https://spaam-community.github.io/wss-summer-school/#/2022/README
2021	Co-Instructor, "Von Antibiotika aus der Steinzeit zu Krankheitserregern in der Neuzeit" (From Stone Age Antibiotics to Today's Pathogens), Summer School organized by the Schweizerische Studentenförderung (Swiss Study Foundation). Instructors: C Warinner , P Stallforth, T. Böttcher. Magliaso, Switzerland, September 4-10, 2021.
2019	Instructor (together with Courtney Hofman), Society for American Archaeology (SAA) Online Seminar Series, <i>Ancient DNA 101</i> . Virtual course, December 3, 2019.
2018	Guest Lecturer, "Job talk seminar: How to give an academic job talk," Invited seminar presented at the MPI-SHH Department of Archaeology Professional Development Seminar Series, Jena, Germany, April 21, 2018.
2018	Guest Lecturer, "Bioinformatics and Problem Solving in Paleogenomics," Freie Universität Berlin, <i>Programming for Evolutionary Biology</i>
2017	Instructor (together with Courtney Hofman), Society for American Archaeology (SAA) Online Seminar Series, <i>Ancient DNA 101</i> . Virtual course, December 12, 2017.
2017	Instructor (together with Jessica Hendy), Department of Archaeogenetics, Max Planck Institute for the Science of Human History, <i>Scientific Illustration using Adobe Illustrator and Inkscape</i>
2015	Visiting Professor on Paleogenomics, Sino-Danish Center, <i>Omics Bioinformatics and Systems Biology</i>
2013	Instructor, Anthropology Department, University of Oklahoma, <i>Professional Development Workshop: Making Publication Quality Figures with Adobe Illustrator</i>

Classroom Guest Lectures

2024, 2023, 2022, 2021, 2019	"Archaeology of the invisible," <i>Ringvorlesung in the Science of Human History</i> , Friedrich Schiller-University Jena, Germany. Instructors: Johannes Krause, Alexander Stössel
2024	"Archaeology of the invisible," <i>GenEd 1104: Can we know our past?</i> Harvard University, Instructor: Jason Ur
2024	"Archaeology of the invisible," <i>Hist 1056: The new science of the human past</i> . Department of History, Harvard University. Instructor: Michael McCormick

- 2024 “Archaeology of the Invisible,” Department of Anthropology, Harvard University, *Anthro 98A: Junior Tutorial*. Instructor: Damina Khaira
- 2024 “A tale of two sugars: amylose and lactose”, Lick Wilmerding High School, San Francisco, California, Introduction to Anthropology. April 5, 2024.
- 2023 “Archaeology of the Invisible,” Massachusetts Institute of Technology (MIT), *CMRAE Archaeological Science*. Instructor: Jennifer Meanwell and Michael Tarkanian
- 2022 “Archaeology of the Invisible,” University of New Mexico. Organizer: Lawrence Straus
- 2021 “Archaeology of the Invisible: disease, craft, and microbiome”, Harvard University, Department of Human Evolutionary Biology, *HEB 1290 Genes, Mind, and Culture*. Instructor: Joseph Henrich and Amy Clarke
- 2021 “Archaeology of the Invisible: Who Made the Books of the Middle Ages?”, Harvard University, Department of History, *HIST 1056 The New Science of the Human Past*. Instructor: Michael McCormick
- 2021 “Molecular methods in Zooarchaeology”, University of Colorado, Boulder, *Introduction to Zooarchaeology*. Instructor: William Taylor
- 2020 “What is an epidemic? Insights from molecular archaeology and evolutionary biology,” Harvard University, *GED Ed 1170: Confronting COVID- 19*. Instructors: Ingrid Katz and Allan Brandt
- 2020 “What geneticists study,” Harvard University, *ANTHRO 1824: Race and Genetics*. Instructor: Anna Jabloner
- 2019 “Archaeology of the Invisible,” Harvard University, *History 1056: The New Science of the Human Past: Case Studies at the Cutting Edge*. Instructor: Michael McCormick
- 2019 “Bioarchaeology,” Harvard University, *GENED 1105: Can we know our past?* Instructors: Rowan Flad and Matt Liebmann
- 2018 “Microbial Archaeology,” University of Pennsylvania, *Graduate Seminar*. Instructor: Kathleen Morrison
- 2018 “Microbial Archaeology,” Harvard University, *Graduate Proseminar*. Instructor: Jason Ur
- 2017 “The science and cultural history of chocolate,” Harvard University, *Anthro 1095 Urban Revolutions: Archaeology and the Investigations of Early States*. Instructor: Jason Ur
- 2015 “Our Ancient Microbial Self,” University of Oklahoma, *Microbiomes and Microbial Systematics*. Instructor: Paul Lawson
- 2015 “Bubonic Plague,” University of Oklahoma, *Plagues and Peoples*. Instructor: Rob Dreifelbis
- 2015 “Genetic Perspectives on the Peopling of the New World,” University of Oklahoma, *Peopling of the New World*. Instructor: Bonnie Pitblado
- 2014 “Genetic Techniques in Anthropology,” University of Oklahoma, *Human Health and Biology Methods*. Instructor: Lori Jervis
- 2014 “Ancient Microbiomes,” University of Oklahoma, *Medical Anthropology*. Instructor: Tassie Hirschfeld
- 2013 “Smallpox”, University of Oklahoma, *Plagues and Peoples*. Instructor: Diane Warren
- 2013 “The Oral Microbiome,” University of Oklahoma, *President’s Dream Course: The Human Microbiome*. Instructors: Tyrell Conway, Paul Lawson, Cecil M. Lewis, Jr.
- 2013 “Dental calculus and bioarchaeology,” University of Nevada at Las Vegas, *Bioarchaeology*. Instructor: Deb Martin
- 2011 “Ancient DNA,” University of Basel, *Current Topics in Archaeoanthropology*.
- 2009 “Archaeological Science,” Harvard University, *Anthro S-1011 Road to Discovery*
- 2009 “Ancient DNA,” Harvard University, *Anthro 2250: Archaeology Graduate Proseminar*. Instructor: Ofer Bar-Yosef
- 2009 “Stable Isotope Analysis,” Harvard University, *Anthro 2250 Archaeology Graduate Proseminar*. Instructor: Ofer Bar-Yosef
- 2008 “Ancient DNA,” Harvard University, *Anthro 98 Junior Tutorial in Archaeology*. Instructor: Richard Meadow

ACADEMIC SUPERVISION

Postdocs:

2022-2025	Roshan Paladugu, Department of Archaeogenetics, Max Planck Institute for the Evolutionary Anthropology. Project: DAIRYCULTURES
2022-	Ashley Scott, Department of Anthropology, Harvard University. Project: Ancient RNA viruses
2022-2024	John Walden, Department of Anthropology, Harvard University. Project: MAYAKINSHIP
2022-	James Fellows Yates, Department of Paleobiotechnology, Leibniz Institute for Infection Biology and Natural Products Research Hans Knoll Institute. Project: PALEOBIOTECHNOLOGY
2021-2023	Aja Lans, Inequality in America Initiative, Harvard University. Current position: Assistant Professor of Africana Studies, Johns Hopkins University (starts 1 July 2023).
2020-2023	Taylor Hermes, Department of Archaeogenetics, Max Planck Institute for the Science of Human History. Project: DAIRYCULTURES. Current position: Assistant Professor of Anthropology, University of Arkansas (starts 1 July 2023).
2018-	Alexander Hübner, Department of Archaeogenetics, Max Planck Institute for the Science of Human History. Project: DAIRYCULTURES and Microverse
2018-	Irina Velsko, Department of Archaeogenetics, Max Planck Institute for the Science of Human History. Project: Paleobiochemistry
2017-2023	Matthäus Rest, Department of Archaeogenetics, Max Planck Institute for the Science of Human History. Project: Heirloom Microbes and DAIRYCULTURES
2018-2019	Jessica Hendy, Department of Archaeogenetics, Max Planck Institute for the Science of Human History. Project: DAIRYCULTURES. Current position: Lecturer in Paleoproteomics, University of York.
2015-2016	Courtney Hofman, Department of Anthropology, University of Oklahoma. Topic: Gut microbiome evolution. Current position: Assistant Professor of Anthropology, University of Oklahoma
2015-2016	Irina Velsko, Department of Archaeology, University of Oxford (co-supervised with Greger Larson). Topic: Radcliffe Infirmary dental calculus project. Current position: Postdoctoral researcher in Warinner Microbiome Sciences Group, Max Planck Institute for the Science of Human History.

PhD (chair or co-chair):

2024-	Gökçe Öztürk, Department of Anthropology, Harvard University. Topic: Exploration of Neolithic milking and dairying using paleoproteomics
2024-	Jake Kalodner, Department of Anthropology, Harvard University. Topic: Early Bronze Age pastoralism in the Altai region
2022-	“Percy” Hei Chun Ho, Department of Anthropology, Harvard University. Topic: Paleogenomic characterization of prehistoric livestock management
2022-	Keri Burge, Department of Anthropology, Harvard University. Topic: Pleistocene bacterial genome reconstruction
2022-	I-Ting Huang, Organismic and Evolutionary Biology, Harvard University. Topic: Ecological role of candidate phyla radiation (CPR) bacteria within marine and oral biofilms (co-chair)
2018-2023	Maxime Borry, “Expanding the ancient DNA bioinformatics toolbox, and its applications to archaeological microbiomes”. PhD Thesis, Department of Archaeogenetics, Max Planck Institute for Evolutionary Anthropology, Friedrich Schiller University, Jena, Germany. Current position: Postdoc at Leibniz Institute for Infection Biology and Natural Products Research
2018-	Melina Seabrook, Department of Anthropology, Harvard University. Topic: Caprine management on the Iranian Plateau from the Neolithic to the Bronze Age
2017-2024	Megan Michel, “Our Microbes, Ourselves: Exploring Human-Pathogen Coevolution through the Lens of Ancient DNA”, Department of Human Evolutionary Biology, Harvard University. Paleogenomic approaches to understanding malaria and dental caries (co-chair)
2017-2022	Ashley Scott, “Investigation of ancient proteins in archaeological material”. PhD Thesis, Department of Archaeogenetics, Max Planck Institute for Evolutionary Anthropology, Friedrich Schiller University, Jena, Germany. Current position: Postdoc at Harvard University, Cambridge, MA, USA
2017-2022	Zandra Fageräs, “Advances in the study of ancient biomolecules in archaeological dental calculus”. PhD Thesis, Department of Archaeogenetics, Max Planck Institute for Evolutionary Anthropology, Friedrich Schiller University, Jena, Germany. Current position: Postdoc at the Globe Institute, University of Copenhagen, Denmark
2016-2022	James Fellows-Yates, “Evolution of the Human Oral Microbiome and Resource Development for Ancient Metagenomics. PhD Thesis, Department of Archaeogenetics, Max Planck Institute for

Evolutionary Anthropology, Friedrich Schiller University, Jena, Germany. Current position: Postdoc at the Leibniz Institute for Infection Biology and Natural Products Research, Jena, Germany

PhD (committee):

- 2022- Reed Morgan, Department of History, Harvard University. Topic: Byzantine Europe
- 2021- Eden Hill, Department of Archaeogenetics, Max Planck Institute for Evolutionary Anthropology. Topic: Investigation of steppe animal management using ZooMS
- 2021- Kristen Pearson, Inner Asian and Altaic Studies, Harvard University. Topic: Archaeological textile production in Mongolia and Central Asia
- 2019-2024 Chengrui Zhang, Anthropology Department, Harvard University. Topic: East Asia zooarchaeology
- 2017- Sarah Loomis, Anthropology Department, Harvard University. Topic: Bioarchaeological analysis of Formative and Classic period human remains at Los Guachimontones, West Mexico.
- 2017-2021 Enrique Rayo, Institute for Evolutionary Medicine, University of Zürich. Topic: Biomolecular analysis of Egyptian canopic jars
- 2016-2022 Marsha Christanvia Wibowo, Harvard Medical School, Harvard University. Biological and Biomedical Sciences. Topic: Discovery of novel microbial genomes that are missing in modern populations from ancient human gut microbiome.
- 2015-2020 Rita Austin, "Museum biomolecules: Examining human pathogens and assessing differential collection preservation with dental calculus from the National Museum of Natural History." Department of Anthropology, University of Oklahoma.
- 2015-2018 Nisha Patel, "Characterization of antibiotic resistance in the gut microbiome of hunter-gatherer and horticulturalist societies." PhD thesis, Dept. of Microbiology and Plant Biology, University of Oklahoma. Current position: Senior Scientist, Kintai Therapeutics
- 2014-2018 Allison Mann, "Novel techniques for the description and interpretation of microbial communities in the modern human gut and ancient human oral microbiome." PhD Thesis, Dept. Anthropology, University of Oklahoma. Current position: Postdoctoral Research Associate, Clemson University
- 2014-2018 Kirsten Ziesemer, Department of Archaeology, University of Leiden. Topic: Oral microbiome of pre-Columbian Caribbean and characterization of dental calculus as a biological system. Withdrew from program for personal and medical reasons. Current position: Medical Information Specialist and Data Manager, Northwestern Hospital Group, University of Leiden, Netherlands
- 2015-2017 Lindsey O'Neal, "Characterization of novel bacterial species in the gut microbiome of hunter-gatherer and horticulturalist societies." PhD thesis, Department of Microbiology and Plant Biology, University of Oklahoma.

Master's (chair):

- 2019-2021 Lena Semerau, "Historical impact of smoking on the oral microbiome." MS Thesis, Dept. of Microbial Communications, Friedrich Schiller Universität Jena.
- 2017-2019 Bryan Cordova, "Investigation of gut microbiome preservation in medieval paleofeces." MS Thesis, Dept. of Microbial Communications, Friedrich Schiller Universität Jena. Current position: Research Associate at the Hussman Institute for Human Genomics at the University of Miami, USA.
- 2016-2017 Richard Hagan, "Comparison of five different DNA extraction methods for microbiome reconstruction from coprolites." MA Thesis, Dept. Anthropology, University of Oklahoma. Current position: Senior Research Technician, BioArCh, University of York.
- 2016-2017 Lauren Klaus, "Proteomic investigation of periodontal disease: A pilot study investigating dental calculus as a substrate for understanding disease pathogenesis." MA Thesis, Dept. Periodontology, University of Oklahoma Health Sciences Center. Current position: Licensed periodontologist in private dental practice in Oklahoma, USA.

Master's (committee):

- 2018-2020 Shannon Fulton, "Heirloom microbes: a survey of lactic acid bacteria in traditional Mongolian dairy." MA Thesis, Dept. Anthropology, University of Oklahoma. MS student, Dept. of Microbiology and Plant Biology, University of Oklahoma.
- 2015-2016 Justin Lund, "Characterizing microbiome changes in the graduate student gut." MA Thesis, Dept. Anthropology, University of Oklahoma. MA student, Dept. Anthropology, University of Oklahoma.

Bachelor's thesis (chair):

2024-2025	Emilie Blondin, "Dissected and Discarded: The Case of the Clarendon Human Skeletal Remains," Department of Anthropology, Harvard College, Harvard University
2022-2023	Sebastian Millien, "Zooming in on ZooMS: New Approaches to ZooMS Protocols and Further Insights into Animal Identifications in Neolithic and Bronze Age Indus Valley Sites." BA Honors Thesis. Joint Department of Molecular and Cellular Biology and Department of Anthropology, Harvard College, Harvard University
2022-2023	Nour Khachemoune, "The Case of the Missing <i>Meleagris</i> : Diet and Animal Management at Copán, Honduras." BA Honors Thesis. Department of Anthropology, Harvard College, Harvard University
2022-2023	Lindsey Bouldin, "The Beer, Bread, and Beef that Bind Us at 17th Century Harvard College." BA Honors Thesis. Department of Anthropology, Harvard College, Harvard University

Bachelor's thesis (committee):

2011-2012	Annina Krüttli, "Investigating lactase persistence in a Medieval German cemetery." BA Thesis, Institute for Archaeology and Center for Evolutionary Medicine, University of Zürich.
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EXTERNAL EVALUATOR FOR DISSERTATION/THESIS

2025	Gunnar Neumann, Faculty of Biological Sciences, Friedrich Schiller University, PhD dissertation: "Human health and migration in Europe's prehistory: Archaeogenetic insights into Bronze Age pathogens."
2024	Sandra Penske, Faculty of Biological Sciences, Friedrich Schiller University, PhD dissertation: "Human population dynamics in southeastern and Central Europe between the 5 th and 3 rd millennium BCE."
2024	Howell Leung, Faculty of Biological Sciences, Friedrich Schiller University, PhD dissertation: "The Gut Microbiome in NAFLD: Advancing Diagnosis, Understanding Pathogenesis, and Developing Novel Therapies."
2024	Bjørn Bartholdy, Faculty of Archaeology, Leiden University, PhD dissertation: "Putting Dental Calculus Under the Microscope."
2024	Stefanie Wagner, Faculty of Biological Sciences, Friedrich Schiller University, PhD dissertation: "Establishing the auxin-inducible degron system for Wilms tumor protein 1 degradation in zebrafish."
2023	Vera Hopfenmüller, Faculty of Biological Sciences, Friedrich Schiller University, PhD dissertation: "Establishing the auxin-inducible degron system for Wilms tumor protein 1 degradation in zebrafish."
2023	Domenico DiFraia, Faculty of Biological Sciences, Friedrich Schiller University, PhD dissertation: "Integrated omics approaches to study protein complexes in neuronal differentiation and brain aging."
2023	Joscha Gretzinger, Faculty of Biological Sciences, Friedrich Schiller University, PhD dissertation: "Paleogenomic insights into the population structure and organization of northwestern Europe during the 'long Iron Age'"
2023	Rodrigo Barquera, Faculty of Biological Sciences, Friedrich Schiller University, PhD dissertation: "The human host-pathogen interaction in the light of ancient genomics revolution."
2023	Ron Hübner, Faculty of Biological Sciences, Friedrich Schiller University, PhD dissertation: "Method development for screening archaeological samples for ancient pathogens."
2022	Eirini Skourtanioti, Faculty of Biological Sciences, Friedrich Schiller University, PhD dissertation: "Archaeogenetic perspectives on the Southwest Asian and Aegean prehistory from the Neolithic to the Bronze Age."
2022	Luca Papac, Faculty of Biological Sciences, Friedrich Schiller University, PhD dissertation: "Tracking population history, social structure and intergroup exchange in Neolithic to Bronze Age Europe using ancient human and virus genomes."
2021	Aida Andrades, Faculty of Biological Sciences, Friedrich Schiller University, PhD dissertation: "Beyond phylogenies: advancing analytical approaches for the field of ancient pathogenomics."
2021	Marieke van der Loosdrecht, Faculty of Biological Sciences, Friedrich Schiller University, PhD dissertation: "Archaeogenetic perspectives on the hunter-gatherers and prehistoric farmers of the Mediterranean."
2021	Thiseas Christos Lamnidis, Faculty of Biological Sciences, Friedrich Schiller University, PhD dissertation: "Exploring the effects of migration and admixture on human populations through time, using ancient DNA."

2021	Jamie Ostmann, Committee on Degrees in History and Literature and the Department of Anthropology, Harvard College, Harvard University, Undergraduate Honors Thesis: "Scenes of Smoke and Scarlet: Cochineal and tobacco in the Early Modern English Theater"
2021	Sandra Ojeaburu, Department of Anthropology, Harvard College, Harvard University, Undergraduate Honors Thesis: "Despite all odds: Deconstructing "risk" through Black birth support groups in Mississippi."
2020	Ke Wang, Faculty of Biological Sciences, Friedrich Schiller University, PhD dissertation: "Investigating human population structure through time with new computational methods and ancient DNA data."
2020	Shevan Wilkin, Faculty of Biological Sciences, Friedrich Schiller University, PhD dissertation: "An investigation into diet and economy in ancient Mongolia through multiple biomolecular datasets."
2020	Sandra Ojeaburu, Department of Anthropology, Harvard University, BA Thesis: "Despite all odds: Deconstructing 'Risk' Through Black Birth Support Groups in Mississippi".
2019	Ponnandai Shanmugavel Komathisree, Faculty of Biological Sciences, Friedrich Schiller University, MA Thesis: "Use of ancient DNA as a tool for the study of human diversity: Mitochondrial diversity in Mesoamerica."
2019	Susanna Sabin, Faculty of Biological Sciences, Friedrich Schiller University, PhD dissertation: "Insights into microbial evolution and ecology from genetic analysis of diverse archaeological materials."
2015	Kaspar Nielsen, Department of Systems Biology, Technical University of Denmark, PhD dissertation: "Genetic variation and human disease."

SUPERVISED STUDENT RESEARCH ASSISTANTS

2025-	Juliet Garon, Harvard College (co-supervised with postdoc Ashley Scott)
2025-	Eli Johnson-Visio, Harvard College (co-supervised with postdoc Ashley Scott)
2024-	Cameron Wilson, Harvard College (co-supervised with PhD student Melina Seabrook)
2024-	Justice Sirotek, Harvard College (co-supervised with PhD student Melina Seabrook)
2023-2024	Hans Bach-Nguyen, Harvard College, Radcliffe Research Partner, 32 weeks
2023-2024	Chrystal Aluya, Harvard College, Radcliffe Research Partner, 32 weeks
2023-2024	Anusha Adhikari, Harvard College, Radcliffe Research Partner, 28 weeks (co-supervised with postdoc Ashley Scott)
2023-2025	Emilie Blondin, Harvard College (co-supervised with postdoc Ashley Scott)
2023	Rabsa Sikder, Harvard College, Radcliffe Research Partner, 4 weeks (co-supervised with postdoc Ashley Scott)
2023-2024	Aurore Galtier, Master's student, École Normale Supérieure de Lyon, 20 weeks (co-supervised with postdoc Irina Velsko)
2023-2024	Varis Malazezi, Master's student, Friedrich Schiller University, 24 weeks (co-supervised with postdoc Roshan Paladugu)
2023-2024	Maximilian Schumacher, Ernst-Abbe-Hochschul Jena, 24 weeks (co-supervised with postdoc Alexander Hübner)
2022-2023	Diana Spurite, undergraduate student, Friedrich Schiller University, 50 weeks (co-supervised with postdoc James Fellows Yates)
2023	Esme Flandro, high school student, Cambridge Rindge and Latin High School, 12 weeks (co-supervised with postdoc John Walden)
2022	Sebastian Millien, undergraduate student, Harvard College, 15 weeks (co-supervised with lab manager Kristine Richter)
2022-2023	Lindsey Bouldin, undergraduate student, Harvard College, 40 weeks (co-supervised with lab manager Kristine Richter)
2020-2021	Helena Moreno, undergraduate student, Harvard College, 12 weeks
2020-2021	Jamie Ostmann, undergraduate student, Harvard College, 12 weeks
2020	Aneeyá Lowe, high school student, Community Charter School of Cambridge, 6 weeks
2017-2020	Zoljargal Enkh-Amgalan, undergraduate student, Frei University Berlin, 3 years
2018-2019	Mara Bakaniev, undergraduate student, Friedrich-Schiller University Jena, Germany, 12 months
2017-2018	Omayya Matar, undergraduate student, Friedrich-Schiller University Jena, Germany, 12 months

VISITING STUDENT, POSTDOC, AND FACULTY TRAINING

2024	April Martinez, Heritage Education Network Belize, Belize, 3 weeks
2024	Frank Tzib, Belize Valley Archaeological Reconnaissance (BVAR) project and U Janal Masewal Maya Food Cooperative, 3 weeks
2024	Rodrigo Barquera, Max Planck Institute for Evolutionary Anthropology, 3 weeks
2024	Victoria Izzo, Texas A&M University, 3 weeks
2024	Kasey Corey, University of Mississippi, 3 weeks
2023-2024	Zhuldyz Tashmanbetova, Washington University of St. Louis, USA, 6 weeks
2023	Christiana Freddi Scheib, University of Cambridge, UK, 1 week
2023	April Martinez, Heritage Education Network Belize, Belize, 4 weeks
2023	Heather Thakar and Klaudia Kocurek, Texas A&M University, USA, 1 week
2022	Victoria Izzo, Texas A&M University, USA, 3 weeks
2022	Roshan Paladugu, University of Évora, Portugal, 2 weeks
2022	Jie Shen, Stanford University, USA, 1 week
2022	Jingbo Li, Stanford University, 1 week
2022	Dimitry Shcherbakov, Altai State University, Russia, 2 weeks
2019	Taryn Johnson, Texas A&M, 2 weeks
2018	Dr. Christiana Scheib, University of Tartu, Estonia, 4 weeks
2018	Chelsea Chiovelli, University of Alberta, 12 weeks
2018	Linyuan Fan, Jilin University, China, 5 weeks
2017	Niall O'Sullivan, University College Dublin, 6 months
2016	LaShanda Williams, Rutgers University, 2 weeks (July)
2016	Ana Morales, University of Calgary, Canada, 3 weeks (May)
2016	Kirsten Ziesemer, Univ. of Leiden, Netherlands, 3 weeks (April)
2016	Dr. John Lindo, University of Chicago, 2 weeks (March)
2015	Joel Olvera, UNAM, Mexico, 4 weeks (Sept/Oct)
2015	Kirsten Ziesemer, Univ. of Leiden, Netherlands, 3 weeks (Aug)
2015	Dr. Turi King, Univ. of Leicester, UK, 1 week (April)
2014	Kirsten Ziesemer, Univ. of Leiden, Netherlands, 6 weeks (Oct/Nov)
2014	Maria Nieves Colon, Arizona State University, 3 weeks (June)
2014	Patrick Schiller, Harvard University, 4 weeks (June)
2014	Jessie Hendy, University of York, UK, 4 weeks (March)
2014	Kirsten Ziesemer, Univ. of Leiden, Netherlands, 4 weeks (Feb)
2012	Sophy Charlton, University of York, UK, 1 week (March)

PROFESSIONAL SERVICE

2024	Board of Directors of the American Center for Mongolian Studies (ACMS)
2023-	President and member of the Board of Trustees, International Society for Biomolecular Archaeology (ISBA)
2022-2023	Vice President and member of the Board of Trustees, International Society for Biomolecular Archaeology (ISBA)
2019-	Leadership Team member, Max Planck – Harvard Research Center for the Archaeoscience of the Ancient Mediterranean (MHAAM)
2019-	Steering Committee, Science of the Human Past Initiative (SoHP)
2021	External Reviewer for Tenure and Promotion, University of Aberdeen
2021	External member of the faculty search committee (Berufungskommission) for Archaeosciences/Bioarchaeology, Humanities Faculty, University of Bonn
2020	Expert panel member, Wellcome Trust, Tree of Life Programme review
2018	Expert evaluator for the Horizon 2020 Marie Skłodowska-Curie Actions Individual Fellowships programme (H2020-MSCA-IF), ECOSOC panel
2018	External Reviewer for Tenure and Promotion, National Museum of Natural History, Smithsonian Institution

2018	NIH review panel chair, Bioengineering Sciences and Technology Integrated Review Group (BST IRG) study section
2018	External Reviewer for Tenure and Promotion, Texas A&M University
2018	Faculty Search Assessment Committee, Department of Bio and Health Informatics, Technical University of Denmark (DTU)
2017-2018	Organizational Committee for the 2018 Ancient Proteins meeting, hosted by the University of Copenhagen, Denmark
2017-2018	Organizational Committee for the 2018 International Symposium for Biomolecular Archaeology (ISBA) Conference, hosted by the MPI-SHH, Jena, Germany
2017, 2019	Society for American Archaeology (SAA), Online Seminar Series instructor, <i>Ancient DNA 101</i>

INSTITUTIONAL SERVICE

2024-2022-	Archaeology Program Director, Department of Anthropology, Harvard University
	Human Remains in the Harvard Museum Collections Research Review Committee, Harvard University
2022-2021, 2023	Archaeology Faculty Search Committee, Department of Anthropology, Harvard University
	Division of Social Sciences representative, Harvard Visitas undergraduate recruitment event
2021-2023	Elected Member, Faculty of Arts and Sciences Faculty Council, Harvard University
2021-2022	Appointed Member, University Steering Committee on Human Remains in Harvard Museum Collections, Harvard University
2020-2021	Chair, Standing Committee for a Supportive Departmental Community, Anthropology Department, Harvard University
2020-2020	Steering Committee on Archaeology, Harvard University
	Postdoctoral Fellowship Review Committee, Inequality in America Initiative, Harvard University
2018-2019	Ombudsperson, Max Planck Institute for the Science of Human History
2018	Postdoctoral Research Associate Search Committee, Department of Archaeogenetics, Max Planck Institute for the Science of Human History
2017	Technical Assistant Search Committee, Department of Archaeogenetics, Max Planck Institute for the Science of Human History
2017	Administrative Staff Search Committee, Max Planck Institute for the Science of Human History
2016	Technical Assistant Search Committee, Department of Archaeology, Max Planck Institute for the Science of Human History
2016	Postdoctoral Research Associate Search Committee, Department of Archaeology, Max Planck Institute for the Science of Human History
2015-2016	Provost's Advisory Committee on Women's Issues (PACWI), University of Oklahoma
2015-2016	Plant Systematics Search Committee, Bebb Herbarium, University of Oklahoma
2014-2016	Vice President of Research Planning Group for Consolidated Sequencing Facilities and Related Research and Collaboration, University of Oklahoma
2014-2015	Vice President of Research Informatics Search Committee, University of Oklahoma
2014-2016	Curriculum and Scheduling Committee, Department of Anthropology, University of Oklahoma
2015	Professionalism Faculty Mentor, Anthropology Graduate Student Association, University of Oklahoma
2014-2015	Dean's Advisory Committee on Women's Issues (DACWI), University of Oklahoma
2007-2008	Sophomore Advisor, Lowell House, Harvard University
2007-2008	Archaeology Speaker Series Co-Coordinator, Harvard University, Anthropology Dept.
2006-2007	Graduate Student Representative, Harvard University, Anthropology Dept.
2005-2009	Freshman Fortnight Advising, Archaeology Wing Representative
2008-2009	Non-Resident Tutor, Harvard University, Lowell House.
2007-2008	Sophomore Advisor, Harvard University, Lowell House. Official academic advisor for five sophomore students.
2006-2008	Senior Staff, Harvard University, Lowell House. Administrative, disciplinary, and advisory responsibilities for a community of 500 undergraduate students.
2006-2008	Librarian, Harvard University, Lowell House. Managed a collection of 15,000 books, 2,000 videos, and staff of 12 student assistants

2005-2008 Resident Tutor, Harvard University, Lowell House. Directly responsible for approximately 25 undergraduate students per year and indirect responsibilities for a community of 500 undergraduate students. Included writing recommendation letters, participating in student award and scholarship selection, academic program development, and advising.

PROFESSIONAL MEMBERSHIPS

2022- International Society for Biomolecular Archaeology (ISBA); founding member
 2005 - Society for American Archaeology (SAA)
 2012 - Association of American Physical Anthropologists (AAPA)
 2013 - American Society for Microbiology (ASM)
 2013 - Society for Molecular Biology and Evolution (SMBE)
 2015- Society for East Asian Archaeology (SEAA)
 2016 - Center for Academic Research and Training in Anthropogeny (CARTA)
 2016 - Register of Professional Archaeologists (RPA)
 2020 - Society of Black Archaeologists (Ally member)

JOURNAL EDITORIAL BOARD

2015-2018 *Scientific Reports* (Nature)
 2019- Genetics & Genomics Next (Wiley)

JOURNAL AND FUNDING AGENCY INVITED REVIEWER

Journals

Archives of Oral Biology
 American Journal of Biological Anthropology
 Comprehensive Reviews in Food Science and Food Safety
 Current Anthropology
 Current Biology
 Ethnobiology Letters
 FEMS Microbial Ecology
 International Journal of Osteoarchaeology
 International Journal of Paleopathology
 Journal of Archaeological Science
 Latin American Antiquity
 Medical Principles and Practice
 Molecular Ecology Resources
 Nature
 Nature Communications
 Proceedings of the National Academy of Sciences (PNAS)
 Proceedings of the Royal Society B: Biological Sciences
 Public Library of Science (PLOS) ONE
 Rapid Communications in Mass Spectrometry
 Science
 Science Advances
 Scientific Reports
 Science and Technology of Archaeological Research

Funding Agencies

Deutsche Forschungsgemeinschaft (German Research Foundation, DFG), Germany
 Hungarian Scientific Research Fund (OTKA), Hungary
 Israel Science Foundation, Israel
 Leakey Foundation, USA

Marie Skłodowska-Curie Individual Fellowships, Horizon2020, European Union
 National Geographic Society (NGS), USA
 Natural Environment Research Council (NERC), UK
 National Institutes of Health (NIH), USA
 National Science Foundation (NSF), USA
 Natural Sciences and Engineering Research Council of Canada (NSERC), Canada
 Tromsø Research Foundation, Sweden
 University of Zurich Institute of Evolutionary Medicine (IEM), Switzerland
 Wellcome Trust, UK

PUBLIC LECTURES AND ONLINE EDUCATIONAL TALKS

- 2016 **Warinner C.** "[Prehistoric human biology as inferred from dental calculus](#)," Ancient DNA and Human Evolution Symposium, UCSD/Salk Center for Academic Research and Training in Anthropogeny (CARTA), La Jolla, CA, April 29, 2016.
- 2016 **Warinner C.** "[How 'Paleo' is your diet?](#)" Leakey Foundation Speaker Series on Human Origins, SciCafe, American Museum of Natural History, New York, New York, April 6, 2016. [Audio](#), [YouTube](#)
- 2016 **Warinner C.** "[How 'Paleo' is your diet?](#)" Leakey Foundation Speaker Series on Human Origins, YouthCafe, American Museum of Natural History, New York, New York, April 6, 2016.
- 2016 **Warinner C.** "Archaeology of the human body," Middle school outreach lecture presented to an assembly of approx. 400 6th graders, P.S. 86, Bronx, New York, New York, April 5, 2016.
- 2013 Alemseged Z and **Warinner C.** "[Exploring Ancient Diets](#)," Invited lecture presented at the Leakey Foundation Speaker Series on Human Origins, California Academy of Sciences, San Francisco, CA, December 3, 2013.
- 2013 **Warinner C.** "[Debunking the Paleo Diet](#)," Presented at TEDxOU, University of Oklahoma, Norman, OK, January 25, 2013, viewed more than **1,500,000 times** on youtube.com.
- 2012 **Warinner C.** "[How We Know What Our Ancestors Ate](#)," Presented at ZÜRICH.MINDS Flagship Event in Zürich, Switzerland, December 12, 2012.
- 2012 **Warinner C.** "[Tracking ancient diseases using...plaque](#)," TED Talks, Long Beach, CA, March 1, 2012, viewed more than **650,000 times** on ted.com.

EXHIBITIONS

- 2023 Dairy Cultures: The Science of Mongolian Heritage / Цараан идээний соёл: Монголын Соёлын Өвийн Шинжлэх Ухаан, special temporary exhibition at the Mongolian Natural History Museum, Ulaanbaatar, Mongolia, 22 September 2023 to 20 October 2023. Co-sponsored by the American Center for Mongolian Studies (ACMS), the UNESCO Silk Roads Programme, and the ERC DairyCultures project. An online version of the exhibition is available at: <https://christinawarinner.com/outreach/dairy-cultures-virtual-exhibit-2/>
- 2018 MINT Festival, educational booth on science, technology, education, and mathematics (STEM) at Friedrich Schiller University.
- 2017 Long Night of Science, Exhibition held at the Max Planck Institute for the Science of Human History on 24 November, 2017. Exhibits I have organized include: (1) *Strawberry DNA Cocktails: Extract your own DNA*, (2) *Coloring Book Corner: Adventures in Archaeological Science*, (3) *Science Portrait Studio*, and (4) *Animalicules! Recreate Antoni van Leeuwenhoek's classic discovery of bacteria using a Foldscope*. A photo album of the event is available: <http://christinawarinner.com/>. The Adventures in Archaeological Science coloring book is available in multiple translations: <http://christinawarinner.com/>
- 2011 Mummies: Man, Medicine, Magic, Scientific Exhibition at the University of Zurich, Winter 2011-2012.

EDUCATIONAL DOCUMENTARIES

- 2020 [Microbes on the Move](#), MPI-SHH short documentary on the BMBF-funded 2019 Microbes on the Move Traveling Conference. Directed and edited by Hans Sell; produced by **C Warinner**, [M Rest](#), and [B Reichhardt](#).

- 2019 [The Game Changers](#), Netflix, feature-length documentary, executive producer James Cameron
- 2017 [Secrets of the sky tombs](#), PBS NOVA, feature-length documentary. [Trailer](#).
- 2016 [What does dental calculus reveal about human evolution?](#) Latest Thinking, documentary
- 2015 [Archaeology of the Invisible](#), Illumina Adventures in Genomics Series, documentary
- 2015 [The Ancestral Human Microbiome](#), Illumina Adventures in Genomics Series, documentary
- 2011 [Mummies: Man, Medicine, Magic](#), Scientific Exhibition, University of Zürich. Ancient DNA module designed in part by **C Warinner**. Film trailer for the 2011-2012 Mummies Exhibition at the University of Zurich.
- 2011 [Ancient DNA Research: A Behind the Scenes Tour of an Ancient DNA Laboratory](#), Documentary short written and narrated by **C Warinner**. Produced for the 2011-2012 Mummies Exhibition at the University of Zurich.

MUSIC AND SOUNDTRACKS

- 2020 [Songs from the Mongolian Steppe](#), 4 tracks. A collection of folk songs from the Mongolian countryside, sung by Baasan and Erdene-Ochir. Available on SoundCloud. Compiled by **B Reichhardt** and **C Warinner**
- 2020 [Kyrgyz Bonfire Songs](#), 19 tracks. A collection of Kyrgyz folk songs, performed during the Microbes on the Move conference in Bishkek, Kyrgyzstan. Available on SoundCloud. Compiled by **B Reichhardt** and **C Warinner**

RADIO, TV, AND PODCASTS

- 2023 Science Friday, National Public Radio, April 14, 2023.
- 2019 Утреннее шоу "[С утра пораньше](#)", Kyrgyz morning television, May 25, 2019.
- 2019 All Things Considered, National Public Radio, "[A blue clue in medieval teeth may bespeak a woman's artistry circa AD 1000](#)", with Nell Greenfieldboyce, January 9, 2019.
- 2019 Quirks & Quarks, Canadian Broadcasting Corporation, "[Blue pigment found on a medieval woman's teeth suggests she was a skilled, literate artist](#)", January 12, 2019.
- 2019 [BBC Science in Action radio interview](#) about our work on early evidence of dairying in Asia, November 25, 2019
- 2016 TV interview with Hari Sreenivasan on PBS NewsHour. Interviewed about ancestral microbiome research on April 5, 2016.
- 2016 SciTech Now, PBS: "[Going Paleo, what it actually means](#)," with Margaret Leigh Sinrod, March 15, 2016.
- 2016 [The Crush](#), with Davin Sweeney, Interviewed May 19, 2016. [iTunes](#).

CHILDREN'S BOOKS

- 2017 "[Adventures in Archaeological Science Coloring Book](#)," by **C Warinner** and PhD students of the MPI-SHH. Available under Creative Commons license in more than 50 languages, including English, German, Spanish, Chinese, Greek, Nahuatl, Mayan, Mongolian, Swahili, Tibetan and more: <http://christinawarinner.com/outreach/children/adventures-in-archaeological-science/>
- 2014 "Secrets of the Sky Caves: Danger and Discovery on Nepal's Mustang Cliffs," by Sandra Athans. Nonfiction book for grades 4-8 featuring the Nepal archaeological expeditions led by Prof. Mark Aldenderfer, with **C Warinner** as project geneticist. Reviewed by the [National Science Teacher Association \(NSTA\)](#).

OTHER OUTREACH

- 2020 Евразийн Зүүн тал нутаг дахь 6000 жилийн динамик генетик түүх. To facilitate the accessibility of our research article, "A dynamic 6,000-year genetic history of Eurasia's Eastern Steppe" (2020), my students, collaborators, and I produced a full Mongolian translation of the article and published it as a Supplementary file on the Cell website:

<https://www.cell.com/cms/10.1016/j.cell.2020.10.015/attachment/2e2ac105-9d7d-4297-81d5-d58491cb0779/mmc6.pdf>

- 2020 Сүү, цагаан идээ голлосон мал аж ахуй Зүүн Евразийн тал нутгийн ард түмний амь зуулгыг 5000 жилийн турш залгуулжээ. To facilitate the accessibility of our research article, Dairy pastoralism sustained Eastern Steppe populations for 5000 years (2020), my students and I produced a full Mongolian translation of the article and published it as a companion to the English version on the Nature Ecology and Evolution website:
https://natureecoevocommunity.nature.com/users/348900-shevanwilkin/posts/59870-mongolian-translation-of-dairy-pastoralism-sustained-eastern-steppe-populations-for-5000-years?fbclid=IwAR3kfWyG89DqE7qpEvbaDIII3h_4ckRXNis0X_7batEbaSFoLamRHI_M3Fw

SELECTED MEDIA COVERAGE OF RESEARCH

Scientific Press

- 2024 [Why did the ancient Maya sacrifice children? DNA provides clues](#), *Science*
 2024 [Oldest malaria cases reveal how humans spread the disease across the globe](#), *Science*
 2023 [‘Lost’ microbial genes found in dental plaque of ancient humans](#), *Science*
 2023 [Politically savvy princesses wove together a vast ancient empire](#), *Science*
 2021 [Microbes in Neanderthals’ mouths reveal their carb-laden diet](#), *Nature*
 2021 [Western China’s mysterious mummies were local descendants of ice age ancestors](#), *Science*
 2021 [DNA reveals surprise ancestry of mysterious Chinese mummies](#), *Nature*
 2021 [Piles of ancient poop reveal ‘extinction event’ in human gut bacteria](#), *Science*
 2020 [Horse mastery helped mysterious Mongolian warriors build a multiethnic empire](#), *Science*
 2019 [These 1000-year-old teeth belonged to a skilled female artist, pigment remains reveal](#), *Science*
 2018 [How Mongolia’s milk-based empire got its start](#), *Nature*
 2018 [How can you eat dairy if you lack the gene for digesting it?](#) *Science*
 2018 [One of history’s worst epidemics may have been caused by a common microbe](#), *Science*
 2017 [Christina Warinner](#), *Anthropology News* (American Anthropological Association)
 2016 [Ancient teeth reveal clues about microbiome evolution](#), *PNAS*
 2016 [Ancient DNA divide](#), *Science*
 2016 [Ancient Genomes from Tooth Plaque](#), *Nature*
 2016 [Researchers conduct the first ancient DNA investigation of the Himalayan arc](#), *Science 360 News*
 (Top story on the National Science Foundation website)
 2015 [Ancient bacteria found in hunter-gatherer guts](#), *Science*
 2014 [Ancient human oral plaque preserves a wealth of biological data](#), *Nature Genetics*
 2014 [History lessons from bacteria](#), *Cell*
 2014 [Microbiome revealing secrets from ancient dental calculus](#), *Nature Reviews Microbiology*
 2014 [Calculus is a long-term reservoir of disease](#), *British Dental Journal*
 2014 [Periodontal Pathogens from Medieval Teeth](#), *Microbe Magazine* (American Soc. for Microbiology)
 2013 [Fossilized teeth offer mouthful on ancient microbiome](#), *Science*

Popular Press

- 2024 [History of Chichén Itzá written in DNA](#), *Harvard Gazette*
 2024 [Tracking entwined histories of malaria, humans](#), *Harvard Gazette*
 2024 [Who were the victims of Maya sacrifice? Ancient DNA reveals an unexpected finding](#), *CNN*
 2024 [A surprising history of malaria is revealed by clues from ancient bones](#), *NPR*
 2024 [DNA reveals surprise about the children ancient Mayans chose to sacrifice](#), *Washington Post*
 2024 [How did the Maya choose sacrifice victims? DNA yields new clues](#), *National Geographic*
 2023 [Bringing Stone Age genomic material back to life](#), *Harvard Gazette*
 2023 [What Were Stone Age Bacteria Like? We Now Have the First Clues](#), *Discover*
 2023 [DNA shows poorly understood empire was multiethnic with strong female leadership](#), *Harvard Gazette*
 2023 [Ancient DNA reveals secrets of empire that pushed China to build its Great Wall](#), *CNN*

- 2021 [Turns out developing a taste for carbs wasn't a bad thing](#), *Harvard Gazette*
- 2021 [DNA reveals unexpected origins of enigmatic mummies buried in a Chinese desert](#), *CNN*
- 2021 [The microbial gunk that hardens on teeth is revealing our deep past](#), *New Scientist*
- 2020 [Philistines had a taste for far-flung foods, fossilized tooth plaque reveals](#), *National Geographic*
- 2020 [The answer to lactose intolerance might be in Mongolia](#), *Popular Science*
- 2020 [What bacterial cultures reveal about ours](#), *Sapiens Magazine*
- 2020 [What Mongolia's Dairy Farmers Have to Teach Us About the Hidden History of Microbes](#), *Discover*
- 2020 [Solving an ancient dairy mystery could help cure modern food ills](#), *Horizon EU Research and Innovation*
- 2020 [Filling in gaps in our understanding of how cities began to rise](#), *Harvard Gazette*
- 2019 [Top 10 Discoveries of 2019](#), *Archaeology Magazine*
- 2019 [The archaeology of plaque \(yes plaque\)](#), *Harvard Gazette*
- 2019 [In an ancient nun's teeth, blue paint – and clues to medieval life](#), *The New York Times*
- 2019 [Female medieval master artist revealed by dental calculus](#), *National Geographic*
- 2019 [The woman with lapis lazuli in her teeth](#), *The Atlantic*
- 2018 [Ancient DNA reveals complex migrations of the first Americans](#), *National Geographic*
- 2018 [Ancient Tooth Tartar Traps Clues to Iron Age Diet](#), *Scientific American* podcast
- 2018 [Conquistador contagion](#), *Archaeology Magazine*
- 2017 [Explore ancient civilizations \(and their diseases\) in this delightful coloring book](#), *The Verge*
- 2017 [The heights we go to](#), *Archaeology Magazine*
- 2016 [Worlds within us](#), *Archaeology Magazine*
- 2016 [Tooth plaque may hold clues about ancient life](#), *National Geographic*
- 2016 [Dental Calculus Yields Human DNA](#), *Archaeology Magazine*
- 2015 [Meet the Dentist to the Dead](#), *Scientific American*
- 2015 [Uncovering our ancestral microbiomes](#), *Discover Magazine*
- 2015 [Study of hunter-gatherers' guts reveals ancient microbes](#), *National Geographic*
- 2015 [Top 100 Stories of 2014](#), *Discover Magazine*
- 2014 [Preserved in plaque of ancient teeth, a fossilized microbial world](#), *The LA Times*
- 2014 [Heritage plaque: Our ancestors' health read from teeth](#), *The New Scientist*
- 2014 [Dental plaque offers a window to the past](#), *Archaeology Magazine*
- 2012 [History to sink your teeth into](#), *UK Observer*
- 2012 [Our ancestors' dirty teeth help Christina Warinner decode our past](#), *WIRED UK*
- 2012 [Why your dental plaque is valuable](#), *CNN*
- 2012 [Sky caves of Nepal](#), *National Geographic*

For a complete list of media coverage, see: <http://christinawarinner.com/media-press/media-coverage/>