

Kurt Rademaker

Assistant Professor
Department of Anthropology
Michigan State University
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East Lansing, MI 48824, USA

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kurt.rademaker@gmail.com

Professional Interests:

Environmental archaeology, historical ecology, settlement of the Americas, hunter-gatherers, origins of complexity, lithic technology and provenance, geographic information systems, interdisciplinary collaboration and education

Education:

2012 - Ph.D. Quaternary Archaeology, University of Maine
Dissertation: Early human settlement of the high-altitude Pucuncho Basin, Peruvian Andes
2006 - M.S. Quaternary and Climate Studies, University of Maine
Thesis: Geoarchaeological investigations of the Wayñuna site and Alca obsidian source, Peru
1997 - B.A. Anthropology, University of Kentucky

Current Positions:

2018- Assistant Professor of Anthropology, Michigan State University
2015- Affiliated Assistant Professor of Prehistory, University of Tübingen, Germany

Publications, Peer-reviewed:

Meinekat, S., K. Rademaker, and C. Miller

2019 (in prep) Site formation of Cuncaicha rockshelter. ***Geoarchaeology***

Gordon Bromley, G., J.-C. Thouret, I. Schimmelpfennig, J. Marino; D. Valdivia; K. Rademaker, and S. Vivanco Lopez

2019 (submitted) In situ cosmogenic ³He and ³⁶Cl and radiocarbon dating of volcanic deposits refine the Pleistocene and Holocene eruption chronology of SW Peru. ***Bulletin of Volcanology***

Menéndez, L., K. Rademaker, and K. Harvati

2019 (in review) Solving a human anatomy puzzle: Virtual reconstruction and craniometric analysis of a fragmented facial skeleton from Cuncaicha (southern Peru). ***PaleoAmerica***

Putnam, A.E., G.R.M. Bromley, K. Rademaker, and J. Schaefer

2019 An *in situ* ¹⁰Be production-rate calibration from a ¹⁴C-dated late-glacial moraine belt in Rannoch Moor, central Scottish Highlands. ***Quaternary Geochronology*** 50: 105-125.

Rademaker, K. and G. Hodgins

2018 Exploring the chronology of occupations and burials at Cuncaicha rockshelter, Peru. In *New Perspectives on the Peopling of the Americas*, edited by K. Harvati, G. Jäger, and H. Reyes-Centeno, pp. 107-124. Words Bones Genes Tools: DFG Center for Advanced Studies Series, Vol 1. Kerns Verlag: Tübingen.

Francken, M., J. Beier, H. Reyes-Centeno, K. Harvati, and K. Rademaker

2018 The human skeletal remains from Cuncaicha rock shelter, Peru. In *New Perspectives on the Peopling of the Americas*, edited by K. Harvati, G. Jäger, and H. Reyes-Centeno, pp. 125-152. Words Bones Genes Tools: DFG Center for Advanced Studies Series, Vol 1. Kerns Verlag: Tübingen.

Rademaker, K. and K. Moore

2018 Variation in the occupation intensity of early forager sites of the Andean puna: Implications for settlement and adaptation. In *Foraging in the Past: Archaeological Studies of Hunter-Gatherer Diversity*, edited by A.K. Lemke, pp. 76-118. University Press of Colorado: Boulder.

Posth, C., N. Nakatsuka, I. Lazaridis, P. Skoglund, S. Mallick, T.C. Lamnidis, N. Rohland, K. Nägele, N. Adamski, E. Bertolini, N. Broomandkoshbacht, A. Cooper, B.J. Culleton, T. Ferraz, M. Ferry, A. Furtwängler, W. Haak, K. Harkins, T.K. Harper, Tabita Hünemeier, A.M. Lawson, B. Llamas, M. Michel, E. Nelson, J. Oppenheimer, N. Patterson, S. Schiffels, J. Sedig, K. Stewardson, S. Talamo, C.-C. Wang, J.-J. Hublin, M. Hubbe, K. Harvati, A. Nuevo Delaunay, J. Beier, M. Francken, P. Kaulicke, H. Reyes-Centeno, K. Rademaker, W.R. Trask, M. Robinson, S.M. Gutierrez, K.M. Prufer, D.C. Salazar-García, E.N. Chim, L. Müller Plumm Gomes, M.L. Alves, A. Liryo, M. Inglez, R.E. Oliveira, D.V. Bernardo, A. Barioni, V. Wesolowski, N.A. Scheifler, M.A. Rivera, C.R. Plens, P.G. Messineo, L. Figuti, D. Corach, C. Scabuzzo, S. Eggers, P. DeBlasis, M. Reindel, C. Méndez, G. Politis, E. Tomasto-Cagigao, D.J. Kennett, A. Strauss, L. Fehren-Schmitz, J. Krause, and D. Reich

2018 Reconstructing the deep population history of Central and South America. *Cell* 175, 1185-1197.

Chala-Aldana, D., H. Bocherens, C. Miller, K. Moore, G. Hodgins, and K. Rademaker

2017 Investigating mobility and highland occupation strategies during the Early Holocene at the Cuncaicha rock shelter through strontium and oxygen isotopes. *Journal of Archaeological Science: Reports* 19: 811-827.

Pitblado, B. and K. Rademaker

2017 Guest editorial: The peopling of high-altitude landscapes of the Americas. *Quaternary International* 461: 1-3.

Bromley, G.R.M., J.M. Schaefer, B.A. Hall, K.M. Rademaker, A.E. Putnam, C.E. Todd, M. Hegland, G. Winckler, M.S. Jackson, and P. Strand

2016 A cosmogenic ¹⁰Be chronology for the local last glacial maximum and termination in the Cordillera Oriental, southern Peruvian Andes: Implications for the tropical role in global climate. *Quaternary Science Reviews* 148: 54-67.

Rademaker, K., G. Hodgins, K. Moore, S. Zarrillo, C. Miller, G.R.M. Bromley, P. Leach, D.A. Reid, W. Yépez Álvarez, and D.H. Sandweiss

2016 Cuncaicha rockshelter, a key site for understanding colonization of the high Andes. *Current Anthropology* 57(1): 101-103.

Méndez, C., K. Rademaker, and V.G. Standen

2015 Editorial: Early lithic technology in South America: Moving beyond regional projectile point typologies. *Chungara Revista de Antropología Chilena* 47: 3-5.

- Rademaker, K.
2014 Late ice-age human settlement of the high-altitude Peruvian Andes. *Mitteilungen der Gesellschaft für Urgeschichte* 23: 13-35. Tübingen.
- Rademaker, K., G. Hodgins, K. Moore, S. Zarrillo, C. Miller, G.R.M. Bromley, P. Leach, D.A. Reid, W. Yépez Álvarez, and D.H. Sandweiss
2014 Paleoindian settlement of the high-altitude Peruvian Andes. *Science* 346: 466-469.
- Bromley, G.R.M., A.E. Putnam, K.M. Rademaker, T.V. Lowell, J.M. Schaefer, B.L. Hall, G. Winckler, S. Birkel, and H. Borns
2014 Younger Dryas deglaciation of Scotland driven by warming summers. *Proceedings of the National Academy of Sciences* 111(17): 6215-6219.
- Rademaker, K., M.D. Glascock, B. Kaiser, D. Gibson, D.R. Lux, and M.G. Yates
2013 Multi-technique geochemical characterization of the Alca obsidian source, Peruvian Andes. *Geology* 41(7): 779-782.
- Sandweiss, D.H. and K.M. Rademaker
2013 El poblamiento del sur peruano: Costa y sierra. *Boletín de Arqueología PUCP* 15: 274-294. Lima.
- Rademaker, K., G.R.M. Bromley, and D.H. Sandweiss
2013 Peru archaeological radiocarbon database, 13,000-7000 ¹⁴C B.P. *Quaternary International* 30: 34-45.
- Rademaker, K., D.A. Reid, and G.R.M. Bromley
2012 Connecting the dots: Least-cost analysis, paleogeography, and the search for Paleoindian sites in southern highland Peru. In *Least Cost Analysis of Social Landscapes: Archaeological Case Studies*, edited by D.A. White and S. Surface-Evans, pp. 32-45. University of Utah Press: Salt Lake City.
- Bromley, G.R.M., B.L. Hall, K.M. Rademaker, C.E. Todd, and A.E. Racoviteanu
2011 Late Pleistocene snowline fluctuations at Nevado Coropuna (15°S), southern Peruvian Andes. *Journal of Quaternary Science* 26(3): 305-317.
- Bromley, G.R.M., B.L. Hall, J.M. Schaefer, G. Winckler, C.E. Todd, and K.M. Rademaker
2011 Glacier fluctuations in the southern Peruvian Andes during the late-glacial period, constrained with cosmogenic ³He. *Journal of Quaternary Science* 26(1): 37-43.
- Sandweiss, D.H., A.R. Kelley, D.F. Belknap, J.T. Kelley, K.M. Rademaker, and D.A. Reid
2009 GPR identification of an early monument at Los Morteros in the Peruvian coastal desert. *Quaternary Research* 73: 439-448.
- Bromley, G.R.M., J.M. Schaefer, G. Winckler, B.L. Hall, C.E. Todd, and K.M. Rademaker
2009 Relative timing of last glacial maximum and late-glacial events in the central tropical Andes. *Quaternary Science Reviews* 28: 2514–2526.

Perry, L., R. Dickau, S. Zarrillo, I. Holst, D.M. Pearsall, D.R. Piperno, M.J. Berman, R.G. Cooke, K. Rademaker, A.J. Ranere, J.S. Raymond, D.H. Sandweiss, F. Scaramelli, K. Tarble, and J.A. Zeidler
2007 Starch fossils and the domestication and dispersal of chili peppers (*Capsicum* spp.) in the Americas. *Science* 315, 986-988.

Perry, L., D.H. Sandweiss, D. Piperno, K. Rademaker, M.A. Malpass, A. Umire, and P. de la Vera
2006 Early maize agriculture and interzonal interaction in southern Peru. *Nature* 440, 76-79.

Guest Editorships:

2017 (with B. Pitblado) The peopling of high-altitude landscapes of the Americas. *Quaternary International* 461.

2015 (with C. Méndez) Early lithic technologies in South America: Beyond regional projectile point typologies. *Chungara Revista de Antropología Chilena* 47.

Publications, Non-peer-reviewed:

Rademaker, K. and C. Mauricio

2018 Sitios costeros en un sistema de asentamiento temprano: Quebrada Jaguay y Pampa Colorada. Resolución Directoral Nacional 205-2017. Final Report for Peruvian Ministry of Culture.

Rademaker K. and P. Kaulicke

2017 Investigación bio-arqueológica de pobladores andinos tempranos en la cuenca de Pucuncho. Resolución Directoral Nacional 353-2015. Final Report for Peruvian Ministry of Culture.

Rademaker, K. and S. Zarrillo

2015 Survival of the highest. *Natural History* Field Notes, March.

Sandweiss, D.H. and K.M. Rademaker

2014 Wayñuna (Peru). In: *Encyclopedia of Global Archaeology*, edited by C. Smith, C. Springer.

Rademaker, K. and C. Mauricio Llonto

2014 Investigación arqueológica de un sistema de asentamiento paleoindio inter-zonal en el sur del Perú (Cuencas Ocoña-Majes). Resolución Directoral Nacional 343-2014. Final Report for Peruvian Ministry of Culture.

Rademaker, K. and W. Yépez Álvarez

2013 Proyecto arqueológico Cuncaicha, cuenca de Pucuncho. Resoluciones Directorales Nacionales 569-2012 and 837-2012. Final Report for Peruvian Ministry of Culture.

Rademaker, K.

2011 Proyecto de investigación arqueológica Pucuncho. Resolución Directoral Nacional 849-2010. Final Report for Peruvian Ministry of Culture.

Sandweiss, D.H. and K. Rademaker

2006 First civilization in the Americas. *2007 Science Year/World Book Annual Science Supplement*, 12-25.

Grants received:

- 2018 Tübingen Reloaded Travel Grant, Tübingen Research Alumni Center (TRACe)
- 2017 Research and Artistry Opportunity Grant, Northern Illinois U., "Toward assessing long-term human habitability of the Peruvian Andes with paired archaeological and lake records."
Amount: \$14,250.
- 2017 National Science Foundation Senior Archaeology #1659015, "Chronology, seasonality, and inter-zonal connections in a Terminal Pleistocene-Early Holocene settlement system, southern Peru"
Amount: \$195,378.
- 2015 Max Planck Institute and Pontificia Universidad Católica del Perú, "Bioarchaeological investigation of early Andean people in the Pucuncho Basin"
Amount: \$50,000.
- 2014 National Geographic Society Committee for Research and Exploration #9531-14, "Archaeological investigation of a Paleoindian inter-zonal settlement system in southern Peru."
Amount: \$20,470.
- 2012 National Geographic Society Waitt Grant #219-12, "Archaeological excavation of Cuncaicha, a high-altitude ice-age rockshelter in the Peruvian Andes." Amount: \$15,000.
- 2012 NSF Dissertation Improvement Grant #1208748. Amount: \$18,774.
- 2012 Graduate Student Government (GSG) Travel Grant, U. of Maine
- 2011 Graduate Student Government (GSG) Research Grant, U. of Maine
- 2011 Getty Archaeological Research Grant, Dept. of Anthropology, U. of Maine
- 2011 GSG Travel Grant, U. of Maine
- 2010 GSG Research Grant, U. of Maine
- 2010 Foundation for Exploration and Research on Cultural Origins (FERCO) Research Grant
- 2010 Lewis and Clark Exploration and Field Research Grant, American Philosophical Society
- 2010 Churchill Exploration Fund Research Grant, U. of Maine
- 2010 GSG Research Grant, U. of Maine
- 2009 GSG Research Grant, U. of Maine
- 2009 GSG Research Grant, U. of Maine
- 2008 Sigma Xi Grant in Aid of Research
- 2008 Churchill Exploration Fund Research Grant, U. of Maine
- 2008 GSG Travel Grant, U. of Maine
- 2007 GSG Research Grant, U. of Maine
- 2007 Churchill Exploration Fund Research Grant, U. of Maine
- 2006 Churchill Exploration Fund Research Grant, U. of Maine
- 2006 Association of Graduate Students (AGS) Research Grant, U. of Maine
- 2005 AGS Research Grant, U. of Maine
- 2005 Dysarts Travel Grant, U. of Maine
- 2005 Churchill Expedition Fund Research Grant, U. of Maine
- 2005 AGS Research Grant, U. of Maine
- 2004 AGS Research Grant, U. of Maine
- 2004 Maine Economic Improvement Fund Grant, U. of Maine
- 2004 AGS Research Grant, U. of Maine

Awards:

- 2015 Humboldt Postdoctoral Research Fellowship, Germany
- 2014 Teach at Tübingen Award, U. of Tübingen
- 2014 Research Prize in Early Prehistory and Quaternary Ecology, U. of Tübingen

- 2012 Presidential Teaching Fellowship, U. of Maine
- 2008 Lambda Alpha Anthropology Honor Society Graduate Research Award
- 2008 Geological Society of America Claude C. Albritton Archaeological Geology Award
- 2008 Society for American Archaeology Douglas C. Kellogg Geoarchaeology Award

Academic Coverage of Research:

Fraser, B.

- 2018 The race to recover South America's ancient past. *Sapiens* (www.sapiens.org)

Bruhns, K.O.

- 2016 *Ancient South America*. Cambridge University Press.

Feder, K.

- 2016 *The Past in Perspective: An Introduction to Human Prehistory*, 7th Edition. Oxford University Press.

Dycus, K.

- 2016 On the trail of hardy Paleoamericans in Peru, Part II. *Mammoth Trumpet* 31(1), 10-14. Center for the Study of the First Americans, Texas A & M University.

Dycus, K.,

- 2015 On the trail of hardy Paleoamericans in Peru, Part I. *Mammoth Trumpet* 30(4): 12-16. Center for the Study of the First Americans, Texas A & M University.

Fraser, B.

- 2014 Extreme living. *Nature* 514: 24-26.

Gibbons, A.

- 2014 New sites bring the earliest Americans out of the shadows. *Science* 344: 567-568.

Quilter, J.

- 2013 *The Ancient Central Andes*. Routledge, New York.

Stager, C.

- 2011 *Deep Future: The Next 100,000 Years of Life on Earth*. St. Martin's Press, New York.

Presentations, 2016-2019 (*denotes graduate student):

Rademaker, K.

- 2019 By land or by sea? Investigating Paleoindian settlement routes and inter-zonal connections in Peru. Invited presentation to Michigan Archaeological Society.

*Gruver, S., K. Rademaker, and M. Carré

- 2019 Occupational seasonality at Quebrada Jaguay-280: Human adaptation to environmental instability. 59th Annual Meeting, Institute of Andean Studies, Berkeley.

Rademaker, K.

- 2018 Peruvian archaeological sites as paleoenvironmental archives. Invited presentation to Michigan State U. Quaternary Landscapes Research Group.

Rademaker, K.

- 2018 Investigating Andean human-environment dynamics and adaptation. Invited presentation to Michigan State U. Anthropology Club.

*Chala-Aldana, D., H. Bocherens, and K. Rademaker

2018 Movilidad y poblamiento de tierras altas andinas durante el Holoceno temprano en el abrigo rocoso de Cuncaicha (4480 m.s.n.m) Arequipa, Perú: El papel de los análisis isotópicos en la generación de modelos de movilidad / Mobility and occupation of the Andean highlands during the Early Holocene at Cuncaicha rock shelter (4480 m.a.s.l.) Arequipa (Perú): The role of isotopic analyses in generating mobility models. Invited poster at 9th Meeting, El Hombre Temprano en América, Necochea, Argentina.

Menéndez, L., K. Rademaker, and K. Harvati

2018 Reconstrucción virtual y análisis craneométrico de un individuo del Holoceno temprano de Cuncaicha (Perú): Implicancias para la diversificación humana en Sudamérica / Virtual reconstruction and craneometric analysis of an Early Holocene individual from Cuncaicha (Peru): Implications for human diversification in South America. Invited presentation at 9th Meeting, El Hombre Temprano en América, Necochea, Argentina.

*Chala-Aldana, D., H. Bocherens, and K. Rademaker

2018 Human occupation and adaptation to the Andean highlands during the Early Holocene: Evidences from oxygen and strontium isotopic analyses. Invited presentation at 18th Meeting, International Union of Prehistoric and Protohistoric Sciences, Paris, France.

*Haller von Hallerstein, S., D. Drucker, K. Harvati, H. Bocherens, and K. Rademaker

2018 Diet at the high-altitude Cuncaicha rockshelter (Pucuncho Basin, southern Peru), based on stable carbon, nitrogen, and sulfur isotope abundances in bone collagen. Invited presentation at 18th Meeting, International Union of Prehistoric and Protohistoric Sciences, Paris, France.

*Meinekat, S.A., K. Rademaker, and C.E. Miller

2018 Paleoindian settlement systems in southern Peru: New chronological and geoarchaeological data from Quebrada Jaguay (QJ-280) and Cuncaicha rockshelter. Invited presentation at 18th Meeting, International Union of Prehistoric and Protohistoric Sciences, Paris, France.

Menéndez, L., H. Reyes-Centeno, K. Rademaker, and K. Harvati

2018 Morphometric comparative analysis of an early Holocene skeleton from Cuncaicha rock shelter (Pucuncho Basin, Peru) and implications on high-altitude adaptation. Invited presentation at 18th Meeting, International Union of Prehistoric and Protohistoric Sciences, Paris, France.

*Gruver, S., K. Rademaker, M. Carré, and A. Schauer

2018 Seasonality and environmental reconstruction at Quebrada Jaguay 280. Poster presented at 83rd Annual Meeting, Society for American Archaeology, Washington, DC.

*Milton, E., P. Leach, and K. Rademaker

2018 Are we living in a simulation: Digital reconstructions of early sites in coastal Peru. Poster presented at 83rd Annual Meeting, Society for American Archaeology, Washington, DC.

Rademaker, K.

2018 An interdisciplinary approach to investigate early Andean settlement dynamics and adaptation. Invited presentation at 83rd Annual Meeting, Society for American Archaeology, Washington, DC.

Stewart, B. and K. Rademaker

2018 On the trail of *Homo* through Earth's high mountains and plateaus. Invited presentation at 83rd Annual Meeting, Society for American Archaeology, Washington, DC.

*Meinekat, S., C. Miller, and K. Rademaker

2018 A geoarchaeological approach to site formation and structures of inter-zonal Paleoindian sites in southern Peru. Invited presentation at 83rd Annual Meeting, Society for American Archaeology, Washington, DC.

*Haller von Hallerstein, S., D. Drucker, K. Harvati, and K. Rademaker

2018 Multi-isotopic paleo-diet reconstruction in a high altitude rockshelter of southern Peru. Invited presentation at 83rd Annual Meeting, Society for American Archaeology, Washington, DC.

*Cook, M., *E. Milton, P. Leach, and K. Rademaker

2018 New explorations at Pampa Colorada: An early coastal site in Peru. Poster presented at 46th Annual Midwest Andean Conference, Field Museum of Natural History, Chicago.

*Gruver, S. and K. Rademaker

2018 Chronology and seasonality at Quebrada Jaguay: Implications for early settlement of South America. Presented at 46th Annual Midwest Andean Conference, Field Museum of Natural History, Chicago.

Rademaker, K.

2018 Twenty years of investigation of the Alca obsidian source, Peru: What have we learned? Invited presentation at The 'Social' Side of Archaeometry: Scientific Methods for Addressing Anthropological Questions. Field Museum of Chicago.

Rademaker, K.

2018 Investigating Andean human-environment dynamics and adaptation. Invited presentation at Michigan State University.

Reyes-Centeno, H. and K. Rademaker

2017 Maximizing interdisciplinary research in the study of human evolution: The case of Cuncaicha (Arequipa, Peru). Poster at Wellcome Genome Campus, Oxford U.

Rademaker, K.

2017 An interdisciplinary approach to investigate early Andean settlement dynamics and adaptation. Invited presentation in "Developing a Research Agenda in Archaeological Sciences that Addresses Human Behavior," DAAD German Academic Exchange Service workshop, U. of Tübingen, Germany.

Rademaker, K.

2017 From Los Tápiales to Cuncaicha: Terminal Pleistocene humans in America's high-elevation western mountains. Invited presentation in "Alternative Perspectives on the Peopling of the New World: A Symposium in Honor of Ruth Gruhn, the 'First Lady' of First Americans Studies," 82nd Annual Meeting, Society for American Archaeology (SAA), Vancouver, BC, Canada.

*Chala-Aldana, D., H. Bocherens, C. Miller, and K. Rademaker

2017 Mobility among hunter-gatherers in the central Andean highlands during the Early-Middle Holocene: GIS models from Sr and O isotopic analyses. Invited presentation in “Evolutionary Adaptations and Population History of the Atacama Desert” symposium, 82nd Annual Meeting, SAA, Vancouver, BC, Canada.

*Haller von Hallerstein, S., D. Drucker, K. Harvati, and K. Rademaker

2017 Diet and adaptations in a high-altitude rockshelter of southern Peru based on stable carbon and nitrogen isotopes. Invited presentation in “Evolutionary Adaptations and Population History of the Atacama Desert” symposium, 82nd Annual Meeting, SAA, Vancouver, BC, Canada.

Posth, C., T. Lamnidis, S. Schiffels, K. Rademaker, and J. Krause

2017 Andean population dynamics revealed by genome-wide data from the high-elevation Cuncacha rock shelter. Invited presentation in “Evolutionary Adaptations and Population History of the Atacama Desert” symposium, 82nd Annual Meeting, SAA, Vancouver, BC, Canada.

Rademaker, K.

2016 Bioarchaeology of Andean highlanders: A view from Cuncacha rockshelter. Invited presentation in 2nd Annual Symposium DFG Center for Advanced Studies “Words Bones Genes Tools: Tracking Linguistic, Cultural, and Biological Trajectories of the Human Past. U. of Tübingen, Germany.

*Haller von Hallerstein, S., D. Drucker, K. Harvati, and K. Rademaker

2016 Paleoecology and diet in the Pucuncho Basin. Poster presented at 2nd Annual Symposium DFG Center for Advanced Studies “Words Bones Genes Tools: Tracking Linguistic, Cultural, and Biological Trajectories of the Human Past. U. of Tübingen, Germany.

*Francken, M., *J. Beier, G. Hodgins, K. Harvati, and K. Rademaker

2016 The human remains from Cuncacha rock shelter, Peru. Poster presented at 2nd Annual Symposium DFG Center for Advanced Studies “Words Bones Genes Tools: Tracking Linguistic, Cultural, and Biological Trajectories of the Human Past. U. of Tübingen, Germany.

* Meinekat, S.A., C.E. Miller, and K. Rademaker

2016 The site formation of Cuncacha rockshelter, Peru. Poster presented at 2nd Annual Symposium DFG Center for Advanced Studies “Words Bones Genes Tools: Tracking Linguistic, Cultural, and Biological Trajectories of the Human Past. U. of Tübingen, Germany.

*Chala-Aldana, D., H. Bocherens, C.E. Miller, and K. Rademaker

2016 Mobility among hunter-gatherers from the Cuncacha rockshelter. Poster presented at 2nd Annual Symposium DFG Center for Advanced Studies “Words Bones Genes Tools: Tracking Linguistic, Cultural, and Biological Trajectories of the Human Past. U. of Tübingen, Germany.

*Feuerborn, T.R., A. Furtwängler, P. Skoglund, K. Rademaker, H. Bocherens, J. Krause, and V. Schuenemann.

2016 Genetic identification of canid in high altitude Palaeoindian Peruvian site. Poster presented at 2nd Annual Symposium DFG Center for Advanced Studies “Words Bones Genes Tools: Tracking Linguistic, Cultural, and Biological Trajectories of the Human Past. U. of Tübingen, Germany.

Rademaker, K.

2016 Recent progress in the study of Andean origins. Invited presentation to Lifelong Learning Institute, Northern Illinois U.

Hodgins, G. and K. Rademaker

2016 Radiocarbon dating the earliest high altitude human occupation site in the world: Cuncacha, southern Peru. Invited presentation at 8th International Symposium on ¹⁴C and Archaeology, Royal College of Surgeons, Edinburgh, Scotland.

*Feuerborn, T.R., A. Furtwängler, P. Skoglund, K. Rademaker, H. Bocherens, J. Krause, and V. Schuenemann.

2016 Genetic identification of canid in high altitude Palaeoindian Peruvian site. Poster presented at 7th International Symposium on Biological Archaeology, Oxford U. Museum of Natural History, London, England. **Winner, student poster award.**

Rademaker, K., *D. Reid, K. Moore, and G. Hodgins

2016 The missing middle: Early inter-zonal connections in the Peruvian central Andes. Invited presentation in "Mobility and use of space in late Pleistocene South America: is it possible to discuss early human regional ranking?" symposium, 81st Annual Meeting SAA, Orlando, Florida.

Moore, K. and K. Rademaker

2016 Hunter's paradise or hypoxic wasteland? Recent research in the Pucuncho Basin, Peru. Invited presentation in "The role of high-altitude landscapes in the peopling of the New World" symposium, 81st Annual Meeting, SAA, Orlando, Florida.

Rademaker, K.

2016 Recent progress in the study of Andean origins. Invited presentation at Four-Field Colloquium, Department of Anthropology, U. of Michigan.

Lead-Authored Presentations, 2004-2015

Rademaker, K.

2015 Recent progress in the study of Andean origins. Invited presentation at Inaugural Symposium DFG Center for Advanced Studies "Words, Bones, Stones, Tools: Tracking Linguistic, Cultural, and Biological Trajectories of the Human Past," U. of Tübingen.

Rademaker, K.

2015 Interdisciplinary archaeology in the Peruvian Andes and beyond. Invited presentation at Northern Illinois U.

Rademaker, K.

2015 Interdisciplinary archaeology in the Peruvian Andes and beyond. Invited presentation at San Diego State U.

Rademaker, K., G. Hodgins, G.R.M. Bromley, and D.H. Sandweiss

2014 Asentamiento tardi-glacial de los Andes peruanos. Invited presentation at Primer Congreso de Arqueología, Ministerio de Cultura, Lima, Peru.

Rademaker, K., G. Hodgins, G.R.M. Bromley, and D.H. Sandweiss

2014 Late-glacial settlement of the high Peruvian Andes. Invited presentation at 79th Annual Meeting, SAA, Austin, Texas.

Rademaker, K.

2014 Late ice-age human settlement of the high-altitude Peruvian Andes. Early Prehistory and Quaternary Ecology Research Prize lecture at U. of Tübingen.

Rademaker, K.

2013 Investigación del asentamiento tardi-glacial de los Andes Peruanos. Invited presentation at U. of Santiago, Chile.

Rademaker, K.

2013 Investigation of the late-glacial human settlement of the Peruvian Andes. Invited presentation at Institute for Archaeological Sciences, U. of Tübingen.

Rademaker, K. and D.H. Sandweiss

2013 Early settlement in the Andes. Invited presentation at Yale-Maine-Harvard meeting, Peabody Museum of Archaeology and Ethnology, Harvard U.

Rademaker, K. and G. Bromley

2013 Human and environmental interactions in the high Andes of Peru: An interdisciplinary perspective. Invited Keynote presentation at 21st Annual Harold W. Borns Symposium/ 40th Anniversary of Climate Change Institute (CCI), U. of Maine.

Rademaker, K.

2013 Investigation of the late-glacial human settlement of the Peruvian Andes ... and other research activities. Invited presentation at Texas A&M U., College Station, Texas.

Rademaker, K. and D.H. Sandweiss

2012 Functional variability in early lithic technologies of southern Peru. Invited presentation at 77th Annual Meeting, SAA, Memphis, Tennessee.

Rademaker, K., B. Kaiser, M.D. Glascock, and D. Gibson

2011 New geochemical data from the Alca obsidian source region: Implications for understanding prehistoric extraction and distribution. Presented at 30th Annual Northeast Conference on Andean Archaeology and Ethnohistory (NCAAE), Andover, Massachusetts.

Rademaker, K.

2011 Investigating early high-altitude human settlement in the southern Peruvian Andes. Presented to U. of Arizona Radiocarbon Research Group, Tucson, Arizona.

Rademaker, K., B. Kaiser, M.D. Glascock, and D. Gibson

2011 New geochemical data from the Alca obsidian source region: Implications for understanding prehistoric extraction and distribution. Invited presentation at 76th Annual Meeting, SAA, Sacramento, California.

Rademaker, K.

2011 Radiocarbon database for Peru 13,000-7000 ¹⁴C B.P. Invited presentation at 76th Annual Meeting, SAA, Sacramento, California.

Rademaker, K., G. Bromley, and D. Reid

2009 Connecting the dots: Paleogeography, least-cost path modeling, and the search for Paleoindian sites in southern highland Peru. Invited presentation at 74th Annual Meeting, SAA, Atlanta, Georgia.

Rademaker, K., G. Bromley, and D. Reid

2009 Geoarchaeology, paleogeography, and the search for Paleoindian sites in the high Andes of southern Peru. Presented at 44th Annual Meeting, NE Geological Society of America (GSA), Portland, Maine.

Rademaker, K., D. Gibson, M.G. Yates, D.R. Lux, L. Dussubieux, and M.D. Glascock

2008 Geochemistry of the Alca obsidian source, Peru. Poster presented by Gibson at 43rd Annual Meeting, NE GSA, Buffalo, New York.

Rademaker, K., G. Bromley, and D. Reid

2008 Quebrada Jaguay and the Terminal Pleistocene coast-highland connection. Invited presentation at 73rd Annual Meeting, SAA, Vancouver, B.C., Canada.

Rademaker, K., G. Bromley, C. Todd, D. Reid, and L. Fortin

2007 Terminal Pleistocene landscapes and early foragers in southern Peru: A GIS model. Poster presented at 72nd Annual Meeting, SAA, Austin, Texas.

Rademaker, K., G. Bromley, and L. Fortin

2007 Fire and ice: Volcanic glass, glaciers, and the initial settlement of southern Peru. Invited presentation at Stanford U., San Francisco, California.

Rademaker, K., G. Bromley, and L. Fortin

2006 Fire and ice: Volcanic glass, glaciers, and the initial settlement of southern Peru. Presented at 71st Annual Meeting, SAA, San Juan, Puerto Rico.

Rademaker, K., D.H. Sandweiss, M. Malpass, A. Umire, and P. de la Vera

2005 Alca obsidian and early coast-highland interaction in southern Peru. Poster presented at 70th Annual Meeting, SAA, Salt Lake City, Utah.

Rademaker, K., D.H. Sandweiss, M. Malpass, A. Umire, P. de la Vera, L. Fortin, and B. Morris

2004 Preceramic utilization of the Alca obsidian source: Recent results. Presented at 23rd Annual NCAAE, Yale U.

Teaching and Advising:

Teaching:

Michigan State U.

2019 – ANP 203 – *Introduction to Archaeology* (Spring)

2018 – ANP 203 – *Introduction to Archaeology* (Fall)

2018 – ANP 203H – *Introduction to Archaeology* (Fall)

Northern Illinois U.:

2018 – ANTH 210 – *Exploring Archaeology* (Spring)

2018 – ANTH 491/591 – *Settlement of the Americas* (Spring)

2017 – ANTH 491/591 /ENVS 450 *Environmental Archaeology* (Fall)

2017 – ANTH 418/518 *Applied Archaeology* (Fall)

2017 – ANTH 417/517 – *South American Archaeology* (Spring)

2017 - ANTH 210 - *Exploring Archaeology* (Spring)

2016 – ANTH 491/591 /ENVS 450 - *Environmental Archaeology* (Fall)

2016 – ANTH 210 - *Exploring Archaeology* (Spring)

U. of Tübingen:

2015 – *Global Human Biogeography* (Summer)

2014 – *Settlement of the Americas* (Winter)

U. of Maine:

2014 - ANT 317 *Fundamentals of Archaeology* (Spring)

2014 - ANT 170 *Popular Archaeology* (Spring)

2013 – ANT 475/ANT 597 *Environmental Archaeology* (Spring)

2012 – ANT 290 *Special Topics in Anthropology: The Anthropocene - Age of Humans* (Spring)

2012 – ANT 317 *Fundamentals of Archaeology* (Spring)

2011 - ANT 492 *Capstone in Anthropology* (Spring, Fall)

2011 – ANT 317 *Fundamentals of Archaeology* (Spring)

2010 – ANT 490/ERS 602/ERS 221 *Geoarchaeology* (Spring)

2009 - ANT 170 *Popular Archaeology* (Summer, Fall)

Graduate student advising:

2018-present: Committee Member, Autumn Painter, Ph.D. Michigan State U. Dept. of Anthropology

2018-present: Committee Member, Zach Francis-Hapner, Ph.D. Michigan State U. Dept. of Anthropology

2017-present: Committee Member, Sarah Meinekat, Ph.D. U. of Tübingen Institute for Archaeological Sciences.

2017-present: Advisor, Taylor Panczak, MA. Michigan State U. Dept. of Anthropology

2016-present: Advisor, Emily Milton, MA. Michigan State U. Dept. of Anthropology

2016-present: Advisor, Michael Cook, MA. Michigan State U. Dept. of Anthropology

2017-2018: Committee member, Shawn Kinzer, MA. Northern Illinois U. Dept. of Anthropology.

Thesis: “A Baseline Osteological Analysis of Prehistoric Human Skeletal Remains Recovered from the Terminal Archaic Morse Site (11-F-220), Fulton County, Illinois.”

2016-2018: Advisor, Steph Gruver, MA. Northern Illinois U. Dept. of Anthropology.
Thesis: "Occupational Seasonality and Paleoenvironmental Reconstruction at Quebrada Jaguay 280"

2016-2018: Advisor, Rachelle Wilson, MA. Northern Illinois U. Dept. of Anthropology.
Thesis: "Etruscan Colors? A Multidisciplinary Approach to Three Painted Etruscan Sarcophagi."

2016-2017: Advisor, Eli Orrvar, MA. Northern Illinois U. Dept. of Anthropology.
Thesis: "Brick, Slag, and Barbed Wire: An Archaeological and Historical Investigation of the Glidden Barn."

2015-2017: Committee Member, Sophia Haller MSc. U. of Tübingen Institute for Archaeological Sciences.
Thesis: "Multi-isotopic Paleo-diet Reconstruction of Hunter-gatherers in the Peruvian Puna."

2016: Advisor, Amanda Douglas, MA. Northern Illinois U. Dept. of Anthropology.
Thesis: "Native American Village Sites in the Middle Rock River."

2015-2016 – Committee Member, Sarah Meinekat MSc. U. of Tübingen Institute for Archaeological Sciences.
Thesis: "A Geoarchaeological Investigation of the Site Formation of Cuncaicha Rockshelter, Peru."

2015-2016: Committee Member, Dobereiner Chala-Aldana MSc. U. of Tübingen Institute for Archaeological Sciences.
Thesis: "Assessment of Mobility and Highland Occupation Strategies during the Early Holocene at the Cuncaicha Rockshelter through Strontium and Oxygen Isotopes"

2012-2013 – Committee Member, Walter Beckwith MS. U. of Maine Climate Change Institute.
Thesis: "Obsidian Characterization in the Mayan Yucatan Region."

2010-2011 – Committee Member, Ian Putnam MS. U. of Maine Dept. of Earth Sciences.
Thesis: "Traveler Formation Rhyolites and Implications for Geoarchaeology."

2006-2007 - Committee member, David Reid BA. U. of Maine Dept. of Anthropology.
Honors thesis: "Peruvian Beach Ridges: Records of Human Activity and Climate Change."

Professional Affiliations and Service:

- 2019- Center for the Study of the First Americans
- 2015- Research Partnership in Archaeology and Paleogenetics, Principal Investigators Kurt Rademaker (Northern Illinois U.), Johannes Krause (Max Planck Institute-Jena), Nicholas Conard and Katerina Harvati (U. of Tübingen), Peter Kaulicke (Pontifical Catholic U. of Peru)
- 2015- Institute for Andean Studies
- 2010- Register of Professional Archaeologists of Peru, No. AR-1003
- 2004- Society for American Archaeology (SAA)

Editorial Advisory Committee - *Chungara Revista de Antropología Chilena* (2012-present)

Reviewer, journal articles – *American Antiquity*, *Andean Past*, *Archaeological and Anthropological Sciences*, *Chungara Revista de Antropología Chilena*, *Geoarchaeology*, *Journal of Anthropological Archaeology*, *Journal of Archaeological Method and Theory*, *Journal of Archaeological Research*, *Journal of Archaeological Science*, *Journal of Archaeological Science: Reports*, *Latin American Antiquity*, *Nature Communications*, *PaleoAmerica*, *Plos One*, *Proceedings of the National Academy of Sciences*, *Quaternary International*.

Reviewer, grants – US National Science Foundation Archaeology Program, European Research Council, FONDECYT (Fondo Nacional de Desarrollo Científico y Tecnológico), Chile; Swiss National Science Foundation, National Geographic Society Committee for Research, Conservation and Exploration.

Past Positions:

Academic

- 2016-2018 Assistant Professor of Anthropology, Northern Illinois U.
- 2015 Humboldt Postdoctoral Fellow, U. of Tübingen.
- 2015 Postdoctoral Fellow, DFG Center for Advanced Studies. “Words, Bones, Stones, Tools: Tracking Linguistic, Cultural, and Biological Trajectories of the Human Past.” U. of Tübingen. Principal Investigators: Katerina Harvati and Gerhard Jäger.
- 2014-2015 Teach at Tübingen Postdoctoral Fellow, U. of Tübingen
- 2014 Visiting Assistant Professor, Department of Anthropology, U. of Maine
- 2010-2013 Faculty Associate, Department of Anthropology, U. of Maine
- 2010-2011 Graduate Research Assistant, Dept. of Earth Sciences, U. of Maine
- 2009-2010 Education Coordinator, Hudson Museum, U. of Maine
- 2009 Instructor, Department of Anthropology, U. of Maine
- 2003-2009 Graduate Research Assistant, Climate Change Institute, U. of Maine

Non-Academic:

- 2013-2014 Staff Archaeologist, Northeast Archaeology Research Center, Inc.
- 2009 GIS cartographer, A. Kelley contract with Acadia National Park, Maine
- 2001-2008 Archaeologist/Cartographer, McBride Preservation Services, West Virginia
- 1998-2003 Staff Archaeologist, Wilbur Smith Associates, Lexington, Kentucky
- 1999, 2001 Archaeologist, Spring Mountains National Recreation Area, USDA Forest Service
- 2000 Archaeologist/Firefighter, Zion National Park, U.S. Dept. of the Interior
- 1997-1999 Archaeologist, Kentucky Archaeological Survey and Program for Archaeological Research, U. of Kentucky.