

Karl Reinhard

University of Nebraska-Lincoln
School of Natural Resources
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Education

- Ph D, Texas A and M, 1988.
Major: Anthropology/Environmental Archaeology
- MS, Northern Arizona University, 1985.
Major: Biosci/Ecology and Evolution
- BA, University of Arizona, 1977.
Major: Anthropology/Archaeology

Academic, Government, Military and Professional Positions

Academic - Post-Secondary

Professor Visitante, Fundação Oswaldo Cruz. (2013 - 2015).

Awards and Honors

- Eve Cockburn Lifetime Achievement Award in Mentorship, Paleopathology Association. (2016).
- Special Visiting Researcher, Brazilian Coordinator for the Improvement of Upper Level Personnel I. (2015).
- Invited Board Member of Brazil's NCT Program (National Institutes of Science and Technology), CNPq (Brazil's National Science Foundation). (2015).
- Special Visiting Researcher, Brazilian Coordinator for the Improvement of Upper Level Personnel I. (2014).
- Recognition of Contributions to Graduate Study in Health from the State of Mato Grosso do Sul, Brazilian Society for the Study of Tropical Medicine. (2013).
- Special Visiting Researcher, Brazilian Coordinator for the Improvement of Upper Level Personnel I. (2013).
- Special Visiting Scholar, Brazilian National School of Public Health, Oswaldo Cruz Foundation. (2012).
- Medalist, KAPPA DELTA PI International Honor Society in Education. (2009).

TEACHING

Teaching Experience

University of Nebraska-Lincoln

AGRI 310, Study Tours in International Agriculture; Italy
FORS 300, Forensic Taphonomy
FORS 445/845, Human Remains in Forensic Science; Forensic Sci:Human Remains

FORS/NRES 446/846, Pollen Analysis for Behavioral, Biological and Forensic Science; Pollen Analysis:Forensic Sci
FORS 498/898, Special Topics in Forensic Science; Advanced Human Remains
NRES 399, Independent Research
NRES 447/847, Archaeoparasitology: The Archaeology of Disease; The Archaeology of Disease
NRES 492, International Study Tours in Natural Resource Management; Mummy Conservation in Sicily

Awards and Honors

Eve Cockburn Lifetime Achievement Award in Mentorship, Paleopathology Association. (2016).

RESEARCH

Published Intellectual Contributions

Refereed Journal Articles

- Boydjjan, H. C., Reinhard, K. (2016). Dieta no Sambaqui Jabuticabeira-II (Sc): Consumo de Plantas Revelado por Microvestígios Provenientes de Cálculo Dentário (Diet At Jabuticabeira II (Sc): Plant Foods Revealed By Microremains From Dental Calculus). *Cadernos do LEPAARQ*, 13. <<https://periodicos.ufpel.edu.br/ojs2/index.php/lepaarq>>
- Morrow, J., Reinhard, K. (2016). Taphonomic considerations for the analysis of parasites in archaeological materials. *International Journal of Paleopathology*, 13, 56–64.
- Reinhard, K. (2016). Assessing the Archaeoparasitological Potential of Quids As a Source Material for Immunodiagnostic Analyses. *Korean J Parasitol.*, 54, 605-616..
- Reinhard, K. (2016). Temporal and Spatial Distribution of *Enterobius vermicularis* (Nematoda: Oxyuridae) in the Prehistoric Americas. *Korean J Parasitol.*, 54, 591-603.
- Higley, L., Reinhard, K. (2016). Cleaning Puparia for Forensic Analysis. *J Forensic Sci.*, 61, 1356-8.
- Reinhard, K. (2016). *Cryptosporidium parvum* Among Coprolites from La Cueva de los Muertos Chiquitos (600-800 CE), Rio Zape Valley, Durango, Mexico. *J. Parasitology*, 102, 429-35.
- Reinhard, K. (in press). Reestablishing rigor in archaeological parasitology. *International Journal of Paleopathology*,.
- Reinhard, K., Morrow, J. (2016). Dental archaeoparasitology: Rigorous analysis. *BRITISH DENTAL JOURNAL*, 220, 612.
- J. M., K. R. (2016). Archaeoentomological and archaeoacarological investigations of embalming jar contents from the San Lorenzo Basilica in Florence, Italy. *J Archaeol Sci Reports*, 10, 166–171.
- Johnica, M., Baldwin, D. A., Higley, L., Piombino-Mascali, D., Reinhard, K. J. (2015). Curatorial implications of *Ophyra capensis* (Order Diptera, Family Muscidae) puparia recovered from the body of the Blessed Antonio Patrizi, Monticiano, Italy (Middle Ages). *Journal of Forensic and Legal Medicine*, 36, 81-83..

- Hammerl, E. E., Reinhard, K., Baier, M. A. (2015). Agave Chewing and Dental Wear: Evidence from Quids. *PLoS One*. 10(7):e0133710. doi: 10.1371/journal.pone.0133710.. 10(7):e0133710. doi: 10.1371/journal.pone.0133710.
- Reinhard, K., Araujo, A. (2015). Palaeoparasitology – Human Parasites in Ancient Material. *Advances in Parasitology*, 90, 349–387.
- Rácz, E., Pucu, E., Jensen, E., Mostek, C., Morrow, J., Van Hove, M.-L., Bianucci, R., Willems, D., Heller, F., Reinhard, K. (2015). Parasitology in an Archaeological Context: Analysis of Medieval Burials in Nivelles, Belgium. *Parasitology in an Archaeological Context: Analysis of Medieval Burials in Nivelles, Belgium.*, 53, 304–315.
- Reinhard, K. J., Araujo, A. (2014). Prehistoric Earth Oven Facilities and the Pathoecology of Chagas Disease in the Lower Pecos Canyonlands. *Prehistoric Earth Oven Facilities and the Pathoecology of Chagas Disease in the Lower Pecos Canyonlands*, 53, 227–234.
- Morrow, J., Larsen, A., Jankauskas, R., Kozakaitė, J., Piombino-Mascalì, D., Araujo, A., Reinhard, K. (2014). Taphonomic Considerations of a Whipworm Infection in a Mummy from the Dominican Church of the Holy Spirit, Vilnius, Lithuania. *Taphonomic Considerations of a Whipworm Infection in a Mummy from the Dominican Church of the Holy Spirit, Vilnius, Lithuania*, 7, 83–87.
- Williams, S., Hubbard, S., Chaves, S., Reinhard, K. (2014). Establishing Tobacco Origin from Pollen Identification: An Approach to Resolving the Debate. *Establishing Tobacco Origin from Pollen Identification: An Approach to Resolving the Debate*, 59, 1642–1649.
- Seo, M., Araujo, A., Reinhard, K., Chai, Y. J., Shin, D. H. (2014). Paleoparasitological Studies on Mummies of the Joseon Dynasty, Korea. *Korean Journal of Parasitology*, 52, 1-8.
- Searcey, N., Reinhard, K., Gardner, S. L., Egarter-Vigl, E., Maixner, F., Piombino-Mascalì, D., Zink, A., Van Der Sanden, W., Bianucci, R. (2013). Parasitism of the Zweeloo Woman Bog Body. *International Journal of Paleopathology*, 3, 224–228.
- Celeste, G., Reinhard, K., Brian, B., J, C. (2013). Tracking Shifts in Coca Use in the Moche Valley: Analysis of Oral Health Indicators and Dental Calculus Microfossils. *Ñawpa Pacha: Journal of Andean Archaeology* 33:193-214. *Ñawpa Pacha: Journal of Andean Archaeology* 33:193-214., 33, 193-214.
- Reinhard, K., Araujo, A. (2013). Food, parasites, and epidemiological transitions: a broad perspective. *International Journal of Paleopathology*, 3, 150–157.
- Clelland, L., Reinhard, K., Lewis, C., Tito, R. (2013). Clarifying Prehistoric Parasitism from a Complementary Morphological and Molecular Approach. *Journal of Archaeological Science* 40:3060-3066. *Journal of Archaeological Science* 40:3060-3066., 40, 3060-3066.
- Arriaza, B., Reinhard, K., Arriaza, B. (2013). On head lice and social intercourse in early Andean coastal populations. *International Journal of Paleopathology*, 3, 257–268.
- Reinhard, K. (2013). Applying forensic anthropological data in homicide investigation to the depravity standard. *Journal of Forensic and Legal Medicine*, 20, 27–39.
- Piombino-Mascalì, D., Zink, A. R., Reinhard, K., Lein, M., Panzer, S., Aufderheide, A. C., Rachid, R., De Souza, W., Araujo, A., Chaves, S. A.M., Teixeira-Santos, I., Dutra, J. (2013). Dietary Analysis of Piraino 1, Sicily, Italy: the Role of Archaeopalynology in Forensic Science. *Journal of Archaeological Science*, 40, 1935–1945.

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- Tito, R. Y., Kights, D., Mecal, J., Obregon-Tito, A. J., Cleeland, L., Fares, N., Roe, B., Reinhard, K., Sobolik, K., Aufderheide, A., Foster, M., Spicer, P., Knight, R., Lewis, C. M. (2012). Insights from Characterizing Extinct Human Gut Microbiomes. *PLoS ONE*.
- Arriaza, B., Standen, V., Núñez, H., Reinhard, K. (2012). Study of archaeological nits/eggs of *Pediculus humanus capitis* by scanning electron microscopy. *Micron*.
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- Reinhard, K., Johnson, K. L., LeRoy-Toren, S., Wieseman, K., Teixeira-Santos, I., Vieira, M. (2012). Understanding the Pathoecological Relationship between Ancient Diet and Modern Diabetes through Coprolite Analysis: A Case Example from Antelope Cave, Mojave County, Arizona. *Current Anthropology*, 53, 506-512.
- Jiménez, F. A., Gardner, S. L., Araújo, A., Fugassa, M., Brooks, R. H., Racz, E., Reinhard, K. (2012). Zoonotic and Human Parasites of Inhabitants of Cueva de Los Muertos Chiquitos, Rio Zape Valley, Durango, México. *Journal of Parasitology*, 98, 304-309.
- Reinhard, K., Leles, D. (2012). Are *Ascaris lumbricoides* and *Ascaris suum* a single species? *Parasites and Vectors*.
- Reinhard, K., Johnson, K. (2012). Understanding the Pathoecological Relationship between Ancient Diet and Modern Diabetes through Coprolite Analysis: A Case Example from Antelope Cave, Mojave County, Arizona. *Current Anthropology*.
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- Kumm, K., Reinhard, K., Araújo, A., Piombino-Mascalì, D. (2011). The Parasitology of the Piraino 1 Mummy, Sicily, Italy. *Anthropologie: International Journal of the Science of Man*, 48, 177-184.
- Reinhard, K., LeRoy-Toren, S., Arriaza, B. (2011). Where Have All the Plant Foods Gone? The Search for Refined Dietary Reconstruction from Chinchorro Mummies. *Yearbook of Mummy Studies*, 1, 139-151.
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- Araújo, A., Jansen, A. M., Reinhard, K., Ferreira, L. F. (2009). Paleoparasitology of Chagas Disease: A review. *Memorias do Instituto Oswaldo Cruz*, 104, 9-16.
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- Reinhard, K., Szuter, C., Ambler, J. R. (2007). Hunter-gatherer Use of Small Animal Food Resources. *International Journal of Osteoarchaeology*, 17, 416-428.
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- Reinhard, K., Danielson, D. R. (2005). Pervasiveness of Phytoliths in Prehistoric Southwestern Diet and Implications for Regional and Temporal Trends for Dental Microwear. *Journal of Archaeological Science*, 32, 981-988.
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- Reinhard, K., Fink, T. M., Skiles, J. (2003). A case of megacolon in Rio Grande Valley as a possible case of Chagas disease. *Memorias do Instituto do Oswaldo Cruz*, 98, 165-172.
- Reinhard, K., Urban, O. (2003). Diagnosing ancient diphyllbothriasis from Chinchorro mummies. *Memorias do Instituto do Oswaldo Cruz*, 98, 191-193.
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Contracts, Grants and Sponsored Research

Grant

- Reinhard, K., Camacho, M. (Co-Principal Investigator), Sponsored by Fundação de Amparo à Pesquisa do Estado do Rio de Janeiro - FAPERJ, Other Agencies.
- Reinhard, K. (Co-Principal Investigator), Teixeira, I. (Co-Principal Investigator), "Paleodiet in mummies, coprolites and sediments: a microfossil study," Sponsored by CNPq, Ceincia sem Fronteiras, (Science w/out Borders) Brazil, Other Agencies, \$20,000.00. (2015 - 2017).
- Reinhard, K. (Principal Investigator), "TRANSIÇÕES PALEOEPIDEMIOLÓGICAS EM PARASITOLOGIA: ENTENDENDO A VARIAÇÃO DO PARASITISMO DO PERÍODO NEOLÍTICO AO PERÍODO INDUSTRIAL. (PARASITE PALEOEPIDEMIOLOGICAL TRANSITIONS: UNDERSTANDING THE VARIATION IN PARASITISM FROM THE NEOLITHIC PERIOD TO THE INDUSTRIAL AGE)," Sponsored by Ceincia Sem Fronteiras, Other Agencies, \$100,000.00. (2013 - 2015).

Awards and Honors

- Editorial Board The Journal of Legal Medicine, American College of Legal Medicine. (2013).
- Jabuti Award in Natural Science Literature, Câmara Brasileira do Livro. (2012).
- Special Visiting Scholar, Brazilian National School of Public Health, Oswaldo Cruz Foundation. (2007).