

## **Karl Reinhard**

University of Nebraska-Lincoln  
School of Natural Resources  
Email: kreinhard1@unl.edu

### **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  
Supporting Areas of Emphasis: Biology/Chemistry

### **Academic, Government, Military and Professional Positions**

#### **Academic - Post-Secondary**

Professor Visitante, Fundação Oswaldo Cruz. (March 9, 2013 - December 30, 2015).

#### **Professional Memberships**

- American Association for the Advancement of Science. (January 20, 2017 - Present).
- Sigma Xi, The Scientific Research Society. (May 13, 1991 - Present).

#### **Awards and Honors**

- Eve Cockburn Lifetime Achievement Award in Mentorship, Paleopathology Association. (April 12, 2016).
- Special Visiting Researcher, Brazilian Coordinator for the Improvement of Upper Level Personnel. (April 15, 2015).
- Invited Board Member of Brazil's NCT Program (National Institutes of Science and Technology), CNPq (Brazil's National Science Foundation). (January 25, 2015).

## **TEACHING**

### **Teaching Experience**

#### **University of Nebraska-Lincoln**

- AGRI 310, Study Tours in International Agriculture; Italy, 1 course.
- FORS 300, Forensic Taphonomy, 3 courses.
- FORS 446, Pollen Analysis for Behavioral, Biological and Forensic Science; Pollen Analysis:Forensic Sci, 3 courses.
- FORS 846, Pollen Analysis for Behavioral, Biological and Forensic Science; Pollen Analysis:Forensic Sci, 3 courses.
- NRES 399, Independent Research, 12 courses.
- NRES 446, Pollen Analysis for Behavioral, Biological and Forensic Science; Pollen Analysis:Forensic Sci, 3 courses.

NRES 447, Archaeoparasitology: The Archaeology of Disease; The Archaeology of Disease, 3 courses.  
NRES 492, International Study Tours in Natural Resource Management; Mummy Conservation in Sicily, 2 courses.  
NRES 496, Independent Study, 12 courses.  
NRES 846, Pollen Analysis for Behavioral, Biological and Forensic Science; Pollen Analysis:Forensic Sci, 3 courses.  
NRES 847, Archaeoparasitology: The Archaeology of Disease; The Archaeology of Disease, 3 courses.  
NRES 892, International Study Tours in Natural Resource Management; Mummy Conservation in Sicily, 1 course.  
NRES 896, Independent Study, 12 courses.  
NRES 899, Masters Thesis, 18 courses.  
NRES 996, Research Other Than Thesis, 12 courses.  
NRES 999, Doctoral Dissertation, 18 courses.

## **Non-Credit Instruction**

Seminar, SBS and Manter Lab, 20 participants. (August 20, 1989 - December 20, 2017).  
Directing the research of a Visiting Scholar, Mato Grosso do Sul Education Department, Brazil, 1 participant. (August 20, 2017 - December 7, 2017).  
Seminar, National Park Service, 20 participants. (April 12, 2017).  
Directing the research of a Visiting Scholar, Brazilian CAPES agency, 1 participant. (January 2, 2017 - March 30, 2017).

## **Directed Student Learning**

### **Doctorate (committee chair/supervisor)**

Doctorate (committee chair/supervisor), "Toxocara in the Ancient Americas," School of Natural Resources. (October 2013 - May 2016).  
Advised: Johnica Morrow

### **Doctorate (committee co-chair)**

Doctorate (committee co-chair), Other (Outside University of Nebraska-Lincoln). (February 2016 - December 27, 2017).  
Advised: Mônica Vieira  
Doctorate (committee co-chair), "Parasitology of Ancestral Puebloans." (December 20, 2017).  
Advised: Morgana Camachp  
Doctorate (committee co-chair), "Forensic Palynology of Homicide Victims." (May 2016 - Present).  
Advised: Ariadne Gonçalves  
Doctorate (committee co-chair), "Molecular analysis of ectoparasites from archaeological sites."  
Advised: Elisa Pucu  
Doctorate (committee co-chair), "Paleoepidemiology of Pinworm Infection," Other (Outside University of Nebraska-Lincoln). (August 2015 - Present).  
Advised: Morgana Camacho

Doctorate (committee co-chair), Other (Outside University of Nebraska-Lincoln).  
Advised: Morgana Camacho

**Doctorate (committee member)**

Doctorate (committee member), Other (Outside University of Nebraska-Lincoln).  
Advised: Alexandre Fernandes

Doctorate (committee member), School of Biological Sciences.  
Advised: Elizabeth Racz

**Masters (committee chair/supervisor)**

Masters (committee chair/supervisor), "Digital mapping of Embalming Chambers," Anthropology & Geography.  
Advised: Ruth Grady

**Masters (committee co-chair)**

Masters (committee co-chair), Anthropology & Geography. (May 2015).  
Advised: Diesel Baldwin

**Masters (committee member)**

Masters (committee member), School of Natural Resources.  
Advised: Braymond Adams

Masters (committee member), Anthropology & Geography. (2015 - April 2017).  
Advised: Livia Taylor

**Other**

Independent, non-credit research, "Ossuary analysis," CASNR. (September 1, 2017 - December 1, 2017).  
Advised: Alexis Kelly

Independent, non-credit research, "Ossuary analysis," Anthropology & Geography. (September 1, 2017 - December 1, 2017).  
Advised: Brie Haberyan

Independent, non-credit research, "Ossuary analysis," Anthropology & Geography. (September 1, 2017 - December 1, 2017).  
Advised: Chase Horn

Directed Research, "Egyptian Mummy Analysis," CASNR. (October 2016 - May 2017).  
Advised: Breane Morris

Faculty Guided Research, CASNR. (November 2016 - December 2016).  
Advised: Elvira Lopez Rosales

Faculty Guided Research, "Analysis of Pollen from a Medieval Belgian Burial," CASNR. (November 2016 - December 2016).  
Advised: Lauren Peck

Faculty Guided Research, "Analysis of a Renaissance Spanish Mummy," CASNR. (October 2016 - December 2016).  
Advised: Breane Morris

Directed Learning, "Dietary Sufficiency or Starvation? Coprolite Analysis of a Korean War POW," Anthropology & Geography. (October 2016 - December 2016).  
Advised: Brie Haberyan

Faculty Guided Research, "Phytolith Analysis of Medieval Sediments," Anthropology & Geography. (October 2016 - December 2016).  
Advised: Cole Sartore

Faculty Guided Research, "Pseudoscorpions of the family Cheiridiidae (Arachnida, Pseudoscorpionida) recovered from burials sediments at Pachacamac (200-1,500CE), Perú," CASNR. (January 2016 - December 2016).  
Advised: Lauren Peck

Faculty Guided Research, "Botanical Remains of Coprolites from Durango, Mexico," Anthropology & Geography. (January 2015 - December 2016).  
Advised: Ruth Grady

Class project prepared for publication, "BOMBUS NEVADENSIS AND THE PLANTS THEY POLLINATE," CASNR. (October 2014 - December 2015).  
Advised: Corey Sutton

Class project prepared for publication, "Acarology of Mummified Remains," Sociology. (October 2014 - August 2015).  
Advised: Jessa Newby

class project prepared for publication, "Pollination study of *Bombus auricomus*," CASNR. (October 2014 - March 2015).  
Advised: Bonnie Kurtenbach

Class project prepared for publication, "Pollination study of the Long-horned bee," CASNR. (October 2014 - March 2015).  
Advised: Feigh Tharpe

Guided Research, "Critique on the paper "Human Parasites in the Roman World: health consequences of conquering an empire" by Piers D. Mitchell: the cultural versus the biological considerations.," School of Biological Sciences. (March 2017 - Present).  
Advised: Altangerel Dursahinhan

Independent Research, School of Natural Resources.  
Advised: Rebecca Bevans

Faculty Directed Research, "Fragmented remains of pseudoscorpions belonging to the family Cheiridiidae (Arachnida, Pseudoscorpionida) were recovered from Ychsma polity (c. AD 1000-1475) burial sediments from Pachacamac, Perú.," Anthropology & Geography.  
Advised: Livia Taylor

### **Postdoctoral Research Supervision**

Postdoctoral Research Supervision, School of Natural Resources. (December 2016).  
Advised: Isabel Teixeira-Santos

## UCARE

UCARE, "Maize Dependency in Chaco Canyon, New Mexico," CASNR. (December 2014 - August 2016).

Advised: Samantha Hayek

UCARE, "Parasites, Diet and Medicines of 18th Century Lithuanian Nobility," CASNR. (May 2014 - May 2015).

Advised: Annie Larsen

## Awards and Honors

Eve Cockburn Lifetime Achievement Award in Mentorship, Paleopathology Association. (April 12, 2016).

## RESEARCH

### Published Intellectual Contributions

#### Refereed Journal Articles

Reinhard, K., Camacho, M. (in press). Recovering Parasites from Mummies and Coprolites: Establishing an Epidemiological Approach. *Recovering Parasites from Mummies and Coprolites: Establishing an Epidemiological Approach*.

Hammerl, E. (in press). AUTOLOGOUS BONE FLAP RESORPTION YEARS AFTER SUBTEMPORAL CRANIOTOMY. *AUTOLOGOUS BONE FLAP RESORPTION YEARS AFTER SUBTEMPORAL CRANIOTOMY*.

Reinhard, K., Paseka, R., Heitman, C. (in press). New evidence of ancient parasitism among Late Archaic and Ancestral Puebloan residents of Chaco Canyon. *New evidence of ancient parasitism among Late Archaic and Ancestral Puebloan residents of Chaco Canyon*.

Morrow, J., Reinhard, K. (2017). The Paleoepidemiology of *Enterobius vermicularis* (Nemata: Oxyuridae) among the Loma San Gabriel at La Cueva de los Muertos Chiquitos (600-800CE), Rio Zape Valley, Durango, Mexico. *The Paleoepidemiology of Enterobius vermicularis (Nemata: Oxyuridae) among the Loma San Gabriel at La Cueva de los Muertos Chiquitos (600-800CE), Rio Zape Valley, Durango, Mexico*.

Reinhard, K., Milanello do Amaral, M., Wall, N. (2017). Palynological Investigation of Mummified Human Remains. *Palynological Investigation of Mummified Human Remains*.

Taylor, L., Morrow, J., Peck, L., Elowsky, C., Harvey, M., Owens, L., Eeckhout, P., Reinhard, K. (in press). Pseudoscorpions of the family Cheiridiidae (Arachnida, Pseudoscorpionida) recovered from burial sediments at Pachacamac (500-1,500CE), Perú. *Pseudoscorpions of the family Cheiridiidae (Arachnida, Pseudoscorpionida) recovered from burial sediments at Pachacamac (500-1,500CE), Perú*.

Reinhard, K. (2017). Reestablishing rigor in archaeological parasitology. *Reestablishing rigor in archaeological parasitology*.

Boyadjian, 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.

### Journal Articles

- Reinhard, K. (in press). Palynological Investigation of Mummified Human Remains. *Journal of Forensic Sciences*.
- Reinhard, K. (2016). Prehistoric Pathoecology as Represented by Parasites of a Mummy from the Peruaçu Valley, Brazil. *Korean J Parasitol.*, 54, 585-590.
- Teixeira-Santos, I., Sianto, L., Araújo, A., Reinhard, K. J., Chaves, S. A. M. (2015). The evidence of medicinal plants in human sediments from Furna do Estrago prehistoric site, Pernambuco State, Brazil. . *Quaternary International*, 377, 112–117.

## Other

Reinhard, K. (in press). Archaeoparasitology. *Encyclopedia of Global Archaeology*. Springer Nature.

Reinhard, K. (in press). Parasitism. *Society of Archaeological Sciences Encyclopedia of Archaeology*. Society of Archaeological Sciences Encyclopedia of Archaeology.

## Presentations Published in Proceedings

Reinhard, K., XXV Congresso Brasileiro de Parasitologia, "New Approaches to the Study of Prehistoric Parasitism," Sociedade Brasileira de Parasitologia, Buzios, Brazil, Brazil. (September 4, 2017).

Camacho, M. (Presenter & Author), Reinhard, K., Paleopathology Association Annual Meeting, "Southwest Pueblos Great Houses: Parasitism and Diet," Paleopathology Association, Atlanta, Georgia. (April 14, 2017).

Reinhard, K., Society of American Archaeology annual meeting, "Human Coprolite Diet Reconstruction Confirms Wetland Resource Use in the Coast of the Atacama Desert, 6580 cal. yr BP," Society of American Archaeology, Vancouver. (April 4, 2017).

Heitman, C. (Presenter & Author), Hayek, S. (Author Only), Reinhard, K. (Author Only), Eighth World Archaeological Congress, "Pollen Analysis of Coprolite Samples from Chaco Canyon, New Mexico," World Archaeological Congress, Kyoto. Japan, Japan. (August 30, 2016).

Reinhard, K. (Coordinator/Organizer), Bianucci, R. (Coordinator/Organizer), Shin, D. H. (Coordinator/Organizer), 9th World Congress on Mummy Studies, "HOST-PARASITE RELATIONSHIPS AND DISEASES: LESSONS FROM THE PAST: A symposium Dedicated to the memory of Prof. Adauto José Gonçalves de Araujo," Centro Mallqui, Lima, Peru, Lima, Peru, Brazil. (August 12, 2016).

Rollins, A. (Presenter & Author), Kaestle, F., Reinhard, K., American Association of Physical Anthropologists, "Genetic evidence for the prehistoric expansion of *Enterobius vermicularis* parasites," American Association of Physical Anthropologists, Atlanta, Georgia. (April 16, 2016).

Morrow, J. (Presenter & Author), Reinhard, K. J. (Presenter & Author), Karl Reinhard, "CRYPTOSPORIDIUM PARVUM AMONG COPROLITES FROM LA CUEVA DE LOS MUERTOS CHIQUITOS, RIO ZAPE VALLEY, DURANGO, MEXICO," Paleopathology Association/American Association of Physical Anthropologists, Atlanta, Georgia. (April 12, 2016).

Reinhard, K. (Presenter & Author), Sianto, L., Araujo, A., Paleopathology Association, "BIOLOGICAL OR MINERAL? EVALUATING A PURPORTED SCHISTOSOME EGG FROM SYRIA.," Paleopathology Association/American Association of Physical Anthropologists, Atlanta, Georgia. (April 12, 2016).

Reinhard, K. E., paleopathology Association, "COPROLITE ANALYSIS: THE MISSING DATA SET FOR UNDERSTANDING ANCESTRAL PUEBLOAN POROTIC HYPEROSTOSIS," Paleopathology Association/American Association of Physical Anthropologists, Atlanta, Georgia. (April 12, 2016).

Teixeira-Santos, I. (Presenter & Author), Avery, W. (Author Only), Reinhard, K. (Presenter & Author), Paleopathology Association, "Paleoepidemiology of Diphyllbothriasis: Culture and

- Environmental Factors Affecting Intensity and Prevalence," Paleopathology Association/American Association of Physical Anthropologists, Atlanta, Georgia, Chile. (April 11, 2016).
- Reinhard, K., Evolutionary Medicine Conference, "Evidence of Ancient Diet Related to the Emergence of Native American Type II Diabetes," University of Zurich, Zurich, Switzerland. (July 30, 2015).
- Owens, L. (Presenter & Author), Owens, L. S., Eeckhout, P., Arguelles, P., Higley, L., Reinhard, K. J., 1st International Conference in Funerary Archaeoentomology, "Pachacamac: prehistoric Peruvian burial customs revealed by application of forensic entomology techniques," University of Huddersfield, UK. (May 6, 2015).
- Reinhard, K. (Presenter & Author), 80th Annual Meeting of the Society for American Archaeology, "Parasites in Antelope Cave," SAA, San Francisco. (April 16, 2015).
- Reinhard, K., Teixeira-Santos, I., American Association of Physical Anthropologists, "The Evidence Of Medicinal Plant Use In Prehistoric Humans From An Archaeological Site In Northeastern Brazil," Paleopathology Association/American Association of Physical Anthropologists, St. Louis. (March 28, 2015).
- Racz, S. E. (Presenter & Author), Reinhard, K. J. (Presenter & Author), Gardner, S. L. (Author Only), Jenkins, D. (Author Only), 46th Annual Meeting of the Paleopathology Association, "aleoamerican Parasitism: Infections that Signal the Origin and Route of Migration," Paleopathology Association/American Association of Physical Anthropologists, St. Louis. (March 25, 2015).
- Reinhard, K. E. (Presenter & Author), 46th Annual Meeting of the Paleopathology Association, "Overdispersion: Testing Whether a Key Parasitological Principle is Evidenced in Archaeology," Paleopathology Association/American Association of Physical Anthropologists, St. Louis. (March 24, 2015).
- Morrow, J. (Presenter & Author), Piombino-Mascali, D. (Author Only), Reinhard, K. J. (Author Only), 46th Annual Meeting of the Paleopathology Association, "Taphonomic Considerations for the Analysis of Parasitic Organisms from Archaeological Contexts," Paleopathology Association/American Association of Physical Anthropologists, St. Louis. (March 24, 2015).
- Reinhard, K. (Presenter & Author), 67th Annual Meetings of the American Academy for Forensic Sciences., "Pollen Evidence of Diet and Environment From a Nebraska Mummy," AAFS, Orlando Florida. (February 19, 2015).

## **Presentations Given**

- Reinhard, K., XXV Congresso Brasileiro de Parasitologia, "New Approaches to the Study of Prehistoric Parasitism," Sociedade Brasileira de Parasitologia, Buzios, Brazil, Brazil. (September 4, 2017).
- Reinhard, K., "Progress report on analysis of Chaco Canyon Greenhouses," National Park Service, Aztec Ruins National Monument, Aztec, New Mexico. (May 8, 2017).
- Camacho, M. (Presenter & Author), Reinhard, K., Paleopathology Association Annual Meeting, "Southwest Pueblos Great Houses: Parasitism and Diet," Paleopathology Association, Atlanta, Georgia. (April 14, 2017).



- Reinhard, K., Society of American Archaeology annual meeting, "Human Coprolite Diet Reconstruction Confirms Wetland Resource Use in the Coast of the Atacama Desert, 6580 cal. yr BP," Society of American Archaeology, Vancouver. (April 4, 2017).
- Reinhard, K., (Author Only), (Presenter & Author), 45th Anniversary Celebration of Vaughn Bryant's Contributions to Texas A&M University, "Perspectives from TAMU's first anthropology Ph.D.," Texas A&M University, Department of Anthropology, College Station Texas. (October 21, 2016).
- Heitman, C. (Presenter & Author), Hayek, S. (Author Only), Reinhard, K. (Author Only), Eighth World Archaeological Congress, "Pollen Analysis of Coprolite Samples from Chaco Canyon, New Mexico," World Archaeological Congress, Kyoto. Japan, Japan. (August 30, 2016).
- Reinhard, K. (Coordinator/Organizer), Bianucci, R. (Coordinator/Organizer), Shin, D. H. (Coordinator/Organizer), 9th World Congress on Mummy Studies, "HOST-PARASITE RELATIONSHIPS AND DISEASES: LESSONS FROM THE PAST: A symposium Dedicated to the memory of Prof. Adauto José Gonçalves de Araujo," Centro Mallqui, Lima, Peru, Lima, Peru, Brazil. (August 12, 2016).
- Reinhard, K. E. (Presenter & Author), Annual Meeting of the Midwestern Conference of Parasitologists, "Archaeoparasitology 2015-2020: Transitions in Theory and Crises in Diagnosis," Midwestern Conference of Parasitologists, SIU - Carbondale. (June 11, 2016).
- Rollins, A. (Presenter & Author), Kaestle, F., Reinhard, K., American Association of Physical Anthropologists, "Genetic evidence for the prehistoric expansion of *Enterobius vermicularis* parasites," American Association of Physical Anthropologists, Atlanta, Georgia. (April 16, 2016).
- Morrow, J. (Presenter & Author), Reinhard, K. J. (Presenter & Author), Karl Reinhard, "CRYPTOSPORIDIUM PARVUM AMONG COPROLITES FROM LA CUEVA DE LOS MUERTOS CHIQUITOS, RIO ZAPE VALLEY, DURANGO, MEXICO," Paleopathology Association/American Association of Physical Anthropologists, atlanta, Georgia. (April 12, 2016).
- Reinhard, K. (Presenter & Author), Sianto, L., Araujo, A., Paleopathology Association, "BIOLOGICAL OR MINERAL? EVALUATING A PURPORTED SCHISTOSOME EGG FROM SYRIA.," Paleopathology Association/American Association of Physical Anthropologists, Atlanta, Georgia. (April 12, 2016).
- Reinhard, K. E., paleopathology Association, "COPROLITE ANALYSIS: THE MISSING DATA SET FOR UNDERSTANDING ANCESTRAL PUEBLOAN POROTIC HYPEROSTOSIS," Paleopathology Association/American Association of Physical Anthropologists, Atlanta, Georgia. (April 12, 2016).
- Teixeira-Santos, I. (Presenter & Author), Avery, W. (Author Only), Reinhard, K. (Presenter & Author), Paleopathology Association, "Paleoepidemiology of Diphyllbothriasis: Culture and Environmental Factors Affecting Intensity and Prevalence," Paleopathology Association/American Association of Physical Anthropologists, Atlanta, Georgia, Chile. (April 11, 2016).
- Reinhard, K. (Presenter & Author), 15th Biennial Southwest Symposium, "Hohokam Parasitology: Developing a Parasite Risk Profile from Surrounding Regions," The University of Arizona, Tucson, Mexico. (January 15, 2016).

- Reinhard, K., Evolutionary Medicine Conference, "Evidence of Ancient Diet Related to the Emergence of Native American Type II Diabetes," University of Zurich, Zurich, Switzerland. (July 30, 2015).
- Reinhard, K. E. (Presenter & Author), Class in paleonutrition, "Paleonutrição," Museu Nacional, Rio de Janeiro, Rio de Janeiro, Brazil. (May 15, 2015).
- Owens, L. (Presenter & Author), Owens, L. S., Eeckhout, P., Arguelles, P., Higley, L., Reinhard, K. J., 1st International Conference in Funerary Archaeoentomology, "Pachacamac: prehistoric Peruvian burial customs revealed by application of forensic entomology techniques," University of Huddersfield, UK. (May 6, 2015).
- Reinhard, K. (Presenter & Author), Teixeira-Santos, I. (Presenter & Author), 80th Annual Meeting of the Society for American Archaeology, "Dietary Reconstruction Based on Coprolites from Antelope Cave," SAA, San Francisco. (April 16, 2015).
- Reinhard, K. (Presenter & Author), 80th Annual Meeting of the Society for American Archaeology, "Parasites in Antelope Cave," SAA, San Francisco. (April 16, 2015).
- Reinhard, K., Teixeira-Santos, I., American Association of Physical Anthropologists, "The Evidence Of Medicinal Plant Use In Prehistoric Humans From An Archaeological Site In Northeastern Brazil," Paleopathology Association/American Association of Physical Anthropologists, St. Louis. (March 28, 2015).
- Racz, S. E. (Presenter & Author), Reinhard, K. J. (Presenter & Author), Gardner, S. L. (Author Only), Jenkins, D. (Author Only), 46th Annual Meeting of the Paleopathology Association, "aleoamerican Parasitism: Infections that Signal the Origin and Route of Migration," Paleopathology Association/American Association of Physical Anthropologists, St. Louis. (March 25, 2015).
- Searcey, N. (Presenter & Author), Reinhard, K., 46th Annual Meeting of the Paleopathology Association, "Nicole Searcey and Karl Reinhard. Lice Paleoepidemiology of the Moquegua River Valley, Southern Peru," Paleopathology Association/American Association of Physical Anthropologists, St. Louis. (March 25, 2015).
- Reinhard, K. E. (Presenter & Author), 46th Annual Meeting of the Paleopathology Association, "Overdispersion: Testing Whether a Key Parasitological Principle is Evidenced in Archaeology," Paleopathology Association/American Association of Physical Anthropologists, St. Louis. (March 24, 2015).
- Reinhard, K., 46th Annual Meeting of the Paleopathology Association, "Rigor in Paleoparasitology. (Invited)," Paleopathology Association/American Association of Physical Anthropologists, St. Louis. (March 24, 2015).
- Morrow, J. (Presenter & Author), Piombino-Mascoli, D. (Author Only), Reinhard, K. J. (Author Only), 46th Annual Meeting of the Paleopathology Association, "Taphonomic Considerations for the Analysis of Parasitic Organisms from Archaeological Contexts," Paleopathology Association/American Association of Physical Anthropologists, St. Louis. (March 24, 2015).
- Reinhard, K. (Presenter & Author), 67th Annual Meetings of the American Academy for Forensic Sciences., "Pollen Evidence of Diet and Environment From a Nebraska Mummy," AAFS, Orlando Florida. (February 19, 2015).

## 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. (Principal Investigator), "Chihuahuan Desert Origins of Trypanosoma Cruzi Infection," Sponsored by Internal.

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. (June 2015 - June 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. (April 1, 2013 - December 15, 2015).

Reinhard, K. (Principal Investigator), Morrow, J. (Investigator), "Protozoan Parasites from CMC Quids," Sponsored by NSF, Federal.

## Intellectual Contributions in Submission

### Refereed Journal Articles

Camacho, M., Inigues, A., Reinhard, K. Considerations on pinworm pathoecology in three Ancestral Pueblo sites and possible correlation with modern epidemiological studies. *Memorias do Instituto Oswaldo Cruz*.

Camacho, M., Iniguez, A., Reinhard, K. Taphonomic considerations of pinworm preservation. *Journal of Archaeological Science Reports*.

## SERVICE

### Professional Service

Reviewer, Grant Proposal, La Comisión de Ciencias Humanas de la Agencia Nacional de Promoción Científica y Tecnológica, Buenos Aires. (January 26, 2017 - Present).

Reviewer, Journal Article, Palynology. (January 2016 - Present).

Reviewer, Journal Article, International Journal of Parasitology. (January 2014 - Present).

Reviewer, Journal Article, Lancet Infectious Diseases. (January 2014 - Present).

Editorial Review Board Member, International Journal of Legal Medicine. (November 2013 - Present).

Editor, Associate Editor of Book or Journal, International Journal of Paleopathology. (August 2012 - Present).

Editor, Associate Editor of Book or Journal, Journal of Parasitology. (May 2007 - Present).

Editor, Associate Editor of Book or Journal, Journal of Parasitology. (May 2007 - Present).

Reviewer, Journal Article, Journal of Archaeological Science. (January 15, 1995 - Present).

Reviewer, Journal Article, Journal of Infections Diseases. (January 2016 - December 2018).

Reviewer, Journal Article, Veterinary Parasitology. (January 2016 - March 2018).

Reviewer, Journal Article, Journal of Parasitology - Cambridge. (February 8, 2017 - January 1, 2018).

Reviewer, Journal Article, PLOS ONE. (January 2013 - December 2017).

Brazil's National Strategy of Science, Technology and Innovation (ENCTI) linked to the National System of Science, Technology and Innovation (SNCTI). (January 26, 2015 - January 26, 2017).

Reviewer, Journal Article, Parasitology Research. (June 5, 2015 - January 25, 2017).

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