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EDUCATION

2004 Ph.D. University of Wisconsin at Madison (Anthropology)
2000 Committee on Institutional Cooperation (CIC) Traveling Scholar, Anthropology Department, University of Chicago
2000 M.S. University of Wisconsin at Madison (Anthropology)
1997 B.A. Beloit College, Beloit, WI (Chemistry, *magna cum laude*)

ACADEMIC POSITIONS HELD

Arizona State University

2011-present Associate Professor and Director of the Archaeological Chemistry Laboratory, Center for Bioarchaeological Research, School of Human Evolution and Social Change
2005-2011 Assistant Professor and Director of the Archaeological Chemistry Laboratory, Center for Bioarchaeological Research, School of Human Evolution and Social Change
Courses Taught: Buried Civilizations of the Americas (ASB 223), Death and Dying in Cross-Cultural Perspective (ASB 353), Andean Archaeology (ASB 494/591), Human Behavior through Bone Chemistry (ASM 494/591), The Bioarchaeology of Empires (ASB 591), The Bioarchaeology of Identity (ASM 591)

University of Wisconsin at Fond du Lac

2004-2005 Lecturer, Department of Anthropology and Sociology
Courses Taught: Introduction to Physical Anthropology (ANTH 105), Archaeology and the Prehistoric World (ANTH 102), Indians of North America (ANTH 314)

Ripon College

2003 Lecturer, Department of Anthropology
Courses Taught: Andean Archaeology (ANTH 334)

University of Wisconsin at Madison

2004-2005 Honorary Fellow, Department of Anthropology
2002-2003 Lecturer, Department of Anthropology
Courses Taught: Evolution of the Human Species (ANTH 107), Human Biology Laboratory (ANTH 106)

HONORS AND AWARDS

2004 The Robert J. Miller Prize in Anthropology at the University of Wisconsin at Madison
2003-2004 University of Wisconsin at Madison Dissertator Fellowship
2003 The Outstanding Student Honor Society member
1999 Phi Beta Kappa Scholarship
1997-present Phi Beta Kappa member
1997 John H. Nair Award for Excellence in Chemistry
1996 American Chemical Society Junior Analytical Chemistry Award
1993-1997 Beloit College Presidential Scholarship

PEER-REVIEWED JOURNAL ARTICLES

- 2011 Kelly J. Knudson and Tiffany A. Tung, "Investigating Regional Mobility in the Southern Hinterland of the Wari Empire: Biogeochemistry at the Site of Beringa, Peru." *American Journal of Physical Anthropology* 145(2): 299-310.
- 2011 Sara J. Marsteller, Christina Torres-Rouff, and Kelly J. Knudson, "Pre-Columbian Andean Sickness Ideology and the Social Experience of Leishmaniasis: A Contextualized Analysis of Bioarchaeological and Paleopathological Data from San Pedro de Atacama, Chile." *International Journal of Paleopathology* 1: 24-34.
- 2010 Eleni Anna Prevedorou, Marta Díaz-Zorita Bonilla, Alejandro Romero, M. Paz de Miguel Ibañez, Jane E. Buikstra, and Kelly J. Knudson, "Residential Mobility and Dental Decoration in Early Medieval Spain: Results from the Eighth Century Site of Plaza del Castillo, Pamplona." *Dental Anthropology* 23(2): 42-52.
- 2010 Kelly J. Knudson and Liam Frink, "Soil Chemical Signatures of a Historic Sod House: Activity Area Analysis of an Arctic Semi-Subterranean Structure on Nelson Island, Alaska." *Archaeological and Anthropological Sciences* 2(4): 265-282.
- 2010 Kelly J. Knudson, Hope M. Williams, Jane E. Buikstra, Paula Tomczak, Gwyneth Gordon, and Ariel D. Anbar, "Introducing $\delta^{88/86}\text{Sr}$ Analysis in Archaeology: A Demonstration of the Utility of Strontium Isotope Fractionation in Paleodietary Studies." *Journal of Archaeological Science* 37 (9): 2352-2364.
- 2010 Kelly J. Knudson and Liam Frink, "Ethnoarchaeological Analysis of Arctic Fish Processing: Chemical Characterization of Soils on Nelson Island, Alaska." *Journal of Archaeological Science* 37: 769-783.
- 2010 Tiffany A. Tung and Kelly J. Knudson, "Childhood Lost: Abductions, Sacrifice and Trophy Heads of Children in the Wari Empire of the Ancient Andes." *Latin American Antiquity* 22 (1): 44-66.
- 2010 Andrew D. Somerville, Ben A. Nelson, and Kelly J. Knudson, "Isotopic Investigation of Pre-Hispanic Macaw Breeding in Northwest Mexico." *Journal of Anthropological Archaeology* 29: 125-135.
- 2009 A. Romero, M. Paz de Miguel Ibañez, Jane E. Buikstra, Kelly J. Knudson, Eleni Anna Prevedorou, Marta Díaz-Zorita Bonilla, and J. de Juan, "Mutilación dentaria en la Necrópolis Islámica de Plaza del Castillo (siglo VIII DC), Pamplona (Navarra) (Dental Mutilation in the Islamic Necropolis of Plaza del Castillo (8th century AD), Pamplona (Navarra)." *Revista Española de Anthopología Física* 29: 1-14.
- 2009 Kelly J. Knudson, Sloan R. Williams, Rebecca Osborne, Kathleen Forgey, and Patrick Ryan Williams, "The Geographic Origins of Nasca Trophy Heads in the Kroeber Collection Using Strontium, Oxygen, and Carbon Isotope Data." *Journal of Anthropological Archaeology* 28 (2): 244-257.
- 2009 Kelly J. Knudson, "Oxygen Isotope Analysis in a Land of Environmental Extremes: The Complexities of Isotopic Work in the Andes." *International Journal of Osteoarchaeology* 19 (2): 171-191. Published in a special issue entitled, "Archaeology and Stable Isotopes in Southern South America: Hunter-Gatherers, Pastoralism, and Agriculture" and co-edited by Ramiro Barberena, Adolfo Gil, Gustavo Neme, and Robert Tykot.
- 2009 Kelly J. Knudson and Christina Torres-Rouff, "Investigating Cultural Heterogeneity in San Pedro de Atacama, Northern Chile through Biogeochemistry and Bioarchaeology." *American Journal of Physical Anthropology* 138 (4): 473-485.
- 2008 Alicia K. Wilbur, Amy J. Farnbach, Kelly J. Knudson, and Jane E. Buikstra, "Diet, Disease and the Paleopathological Record." *Current Anthropology* 49 (6): 963-991.
- 2008 Tiffany A. Tung and Kelly J. Knudson, "Social Identities and Geographical Origins of Wari Trophy Heads from Conchopata, Peru." *Current Anthropology* 49 (5): 915-925.

PEER-REVIEWED JOURNAL ARTICLES (continued)

- 2008 Kelly J. Knudson and Christopher M. Stojanowski, "New Directions in Bioarchaeology: Recent Contributions to the Study of Human Social Identities." *Journal of Archaeological Research* 16 (4): 397-432.
- 2008 Paul C. Sereno, Elena A. A. Garcea, H el ene Jousse, Christopher M. Stojanowski, Jean-Fran ois Sali ege, Abdoulaye Maga, Oumarou Ide, Kelly J. Knudson, Anna Maria Mercuri, Thomas W. Stafford, Thomas G. Kaye, Carlo Giraudi, and Isabella Massamba N'siala, "Lakeside Cemeteries in the Sahara: 5000 Years of Holocene Population and Environmental Change." *PLoS One* 3 (8): 1-22.
- 2008 Kelly J. Knudson, "Tiwanaku Influence in the South Central Andes: Strontium Isotope Analysis and Middle Horizon Migration." *Latin American Antiquity* 19 (1): 3-23.
- 2007 Christina Torres-Rouff and Kelly J. Knudson, "Examining the Life History of an Individual from Solcor 3, San Pedro de Atacama: Combining Bioarchaeology and Archaeological Chemistry." *Chungara: Revista Andina* 39 (2): 235-257.
- 2007 Kelly J. Knudson and Jane E. Buikstra, "Residential Mobility and Resource Use in the Chiribaya Polity of Southern Peru: Strontium Isotope Analysis of Archaeological Tooth Enamel and Bone." *International Journal of Osteoarchaeology* 17 (6): 563-580.
- 2007 Kelly J. Knudson, "La influencia de Tiwanaku en San Pedro de Atacama: Una investigaci n por los is topos del estroncio (The Influence of Tiwanaku in San Pedro de Atacama: An Investigation using Strontium Isotope Analysis)." *Estudios Atacame os* 33: 7-24.
- 2007 Kelly J. Knudson, Arthur E. Aufderheide, and Jane E. Buikstra, "Seasonality and Paleodiet in the Chiribaya Polity of Southern Peru." *Journal of Archaeological Science* 34 (3): 451-462.
- 2007 Kelly J. Knudson and T. Douglas Price, "Utility of Multiple Chemical Techniques in Archaeological Residential Mobility Studies: Case Studies from Tiwanaku- and Chiribaya-Affiliated Sites in the Andes." *American Journal of Physical Anthropology* 132 (1): 25-39.
- 2005 Kelly J. Knudson, Tiffany A. Tung, Kenneth C. Nystrom, T. Douglas Price and Paul D. Fullagar, "The Origin of the Juch'uy pampa Cave Mummies: Strontium Isotope Analysis of Archaeological Human Remains from Bolivia." *Journal of Archaeological Science* 32 (6): 903-913.
- 2004 Kelly J. Knudson, T. Douglas Price, Jane E. Buikstra, and Deborah E. Blom. "The Use of Strontium Isotope Analysis to Investigate Tiwanaku Migration and Mortuary Ritual in Bolivia and Peru." *Archaeometry* 46 (1): 5-18. Published in a special issue entitled, "Resolution and Refinement: Recent Advances in Archaeological Chemistry" and co-edited by Kelly J. Knudson and David C. Meiggs with advisory editor Michael Richards.
- 2004 David C. Meiggs and Kelly J. Knudson. "Resolution and Refinement: Recent Advances in Archaeological Chemistry: Introductory Comments." *Archaeometry* 46 (1): 1-4. Published in a special issue entitled, "Resolution and Refinement: Recent Advances in Archaeological Chemistry" and co-edited by Kelly J. Knudson and David C. Meiggs with advisory editor Michael Richards.
- 2004 Kelly J. Knudson, Lisa Frink, Brian Hoffman and T. Douglas Price. "Chemical Characterization of Arctic Soils: Activity Area Analysis in Contemporary Yup'ik Fish Camps Using ICP-AES." *Journal of Archaeological Science* 31 (4): 443-456.

PEER-REVIEWED BOOK CHAPTERS

- 2011 Kelly J. Knudson, "Identifying Archaeological Human Migration Using Biogeochemistry: Case Studies from the South-Central Andes." In *Rethinking Anthropological Perspectives on Migration*, edited by Graciela S. Cabana and Jeffrey J. Clark. University Press of Florida: Tallahassee, Florida, pages 231-247.
- 2010 Izumi Shimada, Rafael Segura Llanos, David J. Goldstein, Kelly J. Knudson, Melody J. Shimada, Ken-ichi Shinoda, Mai Takigami, and Ursel Wagner, "Un Siglo Después de Uhle: Reflexiones sobre la Arqueología de Pachacamac y Perú (One Century After Uhle: Reflections on the Archaeology of Pachacamac and Peru)." In *Max Uhle (1856-1944): Evaluaciones de Sus Investigaciones y Obras (Max Uhle (1856-1944): Evaluations of His Investigations and Works)*, edited by Peter Kaulicke, Manuela Fischer, Peter Masson, and Gregor Wolff. Editorial de la Pontificia Universidad Católica del Perú: Lima, Peru, pages 109-150.
- 2009 Kelly J. Knudson and Christopher M. Stojanowski, "The Bioarchaeology of Identity." In *Bioarchaeology and Identity in the Americas*, co-edited by Kelly J. Knudson and Christopher M. Stojanowski and published in the series *Bioarchaeological Interpretations of the Human Past: Local, Regional, and Global Perspectives*, edited by Clark Spencer Larsen. University Press of Florida: Tallahassee, Florida, pages 1-23.
- 2009 Kelly J. Knudson and Deborah E. Blom, "The Complex Relationship between Tiwanaku Mortuary Identity and Geographic Origin in the South Central Andes." In *Bioarchaeology and Identity in the Americas*, co-edited by Kelly J. Knudson and Christopher M. Stojanowski and published in the series *Bioarchaeological Interpretations of the Human Past: Local, Regional, and Global Perspectives*, edited by Clark Spencer Larsen. University Press of Florida: Tallahassee, Florida, pages 194-211.
- 2009 Kelly J. Knudson, "What Biogeochemistry Tells Us About Diet and Provenance of People in the Sicán Society." Published in Japanese and English in *Sicán Culture and Archaeology* edited by Izumi Shimada, Ken-ichi Shinoda, Masahiro Ono, and Bijutsu Shuppan-sha, pages 356-361. Tokyo Broadcasting System Television, Inc.: Tokyo.
- 2009 Marta Diaz-Zorita Bonilla, A.J. Waterman, and Kelly J. Knudson, "Explorando la movilidad y los patrones dietarios durante la Edad del Cobre en el Suroeste de la Península Ibérica: Estudio Preliminar Bioarqueológico del Tholos de Palacio III (Almadén de la Plata, Sevilla) (Exploring Mobility and Dietary patterns in the Copper Age of the Iberian South-West: A Preliminary Bioarchaeological Study of the Palacio III Tholos Tomb (Almadén de la Plata, Sevilla, Spain)." In *Actas del IX Congreso Nacional de Paleopatología. Morella (Els Ports, Castelló). 25-28 de Septiembre de 2007*, edited by Manuel Polo Cerdá and Elisa Garcia Prosper, pages 669-674.
- 2007 Kelly J. Knudson and Tiffany A. Tung, "Using Archaeological Chemistry to Investigate the Geographic Origin of Trophy Heads in the Central Andes." In *Archaeological Chemistry: Analytical Techniques and Archaeological Interpretation*, edited by Michael Glascock, Robert J. Speakman, and Rachel Popelka-Filcoff, pages 99-113. American Chemical Society: Washington, D.C.
- 2005 Kelly J. Knudson, T. Douglas Price, Jane Buikstra, and Deborah E. Blom. "Strontium Isotope Analysis and Migration in the South Central Andes: Tiwanaku Colonization of the Moquegua Valley." *Proceedings of the 33rd International Symposium on Archaeometry, 2002. (Geoarchaeological and Bioarchaeological Studies 3, Vrije Universiteit, Amsterdam)*, edited by H. Kars and E. Burke, pages 477-482. Vrije Universiteit: Amsterdam.

PEER-REVIEWED PUBLICATIONS IN PRESS

- In press Kelly J. Knudson, William J. Pestle, Christina Torres-Rouff and Gonzalo Pimentel, "Assessing the Life History of an Andean Traveler through Biogeochemistry: Stable and Radiogenic Isotope Analyses of Archaeological Human Remains from Northern Chile." Manuscript accepted by the *International Journal of Osteoarchaeology*.
- In press Liam Frink and Kelly J. Knudson, "Using Ethnoarchaeology and Soils Chemistry to Examine Herring and Salmon Fisheries on the Arctic Alaskan Coast." *North American Archaeology* 31(2): 221-248.
- In press Christopher M. Stojanowski and Kelly J. Knudson, "Biogeochemical Inference of Mobility of Early Holocene Fisher-Foragers from the Central Sahara Desert." Manuscript accepted by the *American Journal of Physical Anthropology*.
- In press Tiffany A. Tung and Kelly J. Knudson, "Identifying Locals, Migrants and Captives in the Wari Heartland: A Bioarchaeological and Biogeochemical Study of Human Remains from Conchopata, Peru." Manuscript accepted by the *Journal of Anthropological Archaeology*.
- In press Maria Cecilia Lozada Cerna, Kelly J. Knudson, Rex C. Haydon, and Jane E. Buikstra, "Social Marginalization among the Chiribaya: The 'Curandero' of Yaral, Southern Peru." Manuscript accepted for publication in *The Bioarchaeology of Individuals*, edited by Ann Stodder and Ann Palkovich and to be published by the University Press of Florida.

MANUSCRIPTS IN REVIEW OR PREPARATION

- In review Kelly J. Knudson and Liam Frink, "Nitrogen Isotope Analysis of Ethnoarchaeological Soils: Arctic Fish Processing on Nelson Island, Alaska." Manuscript submitted to *Geoarchaeology*.
- In review Marta Diaz-Zorita Bonilla, Kelly J. Knudson, and A.J. Waterman, "Mobility and Paleodiet: Analysis of $^{87}\text{Sr}/^{86}\text{Sr}$, $\delta^{18}\text{O}$, and $\delta^{13}\text{C}$ of Human Remains from Tholos de Palacio III (Almadén de la Plata, Sevilla)." Manuscript submitted for publication in *The Palacio III Funerary Complex (Almadén de la Plata, Sevilla, Spain. A New Approach to the Megalithic Phenomenon in Southern Iberia)*, edited by L. García Sanjuán and D.W. Wheatley and to be published in the University of Southampton Series in Archaeology, Number 5.
- In review Kelly J. Knudson, "El migración en el Sicán: Analizando el movimiento en el pasado usando la geología y el química (Sicán Migration: Analyzing Movement in the Past Using Geology and Chemistry)." Manuscript submitted for publication in *Atrás de la Máscara de Oro: La Cultura Sicán (Behind the Gold Mask: Sicán Culture)*, edited by Izumi Shimada and to be published by the Editorial Congreso del Perú in both English and Spanish.
- In review Kelly J. Knudson, "Isotope Analyses and the Movement of Humans and Camelids in Machaca." Manuscript submitted for publication in *Early Complexity in the South-Central Andes: Khonkho Wankane and its Hinterland: Archaeology in the Machaca Region of Bolivia, Volume I*, edited by John W. Janusek and to be published by the Cotsen Institute, University of California at Los Angeles.
- In review Kristin L. Nado, Sara J. Marsteller, Laura M. King, Blair M. Daverman, Christina Torres-Rouff, and Kelly J. Knudson, "Examining Local Social Identities through Patterns of Biological and Cultural Variation in the Solcor Ayllu, San Pedro de Atacama, Chile." Manuscript submitted to *Chungara*.

MANUSCRIPTS IN REVIEW OR PREPARATION

- In review Kelly J. Knudson, Kristin R. Gardella, and Jason Yaeger, "Provisioning Inka Feasts at Tiwanaku, Bolivia: The Geographic Origins of Camelids in the Pumapunku Complex." Manuscript submitted to the *Journal of Archaeological Science*.
- In review Kelly J. Knudson, Christopher M. Stojanowski, Gregory A. Brenneka, Achim D. Hermann, Anthony Michaud, and Ariel D. Anbar, "Paleodiet and Mobility in the Early and Middle Holocene of North Africa: Oxygen and Carbon Isotope Analysis at Gobero, Niger." Manuscript submitted to the *Journal of Archaeological Science*.
- In review Kelly J. Knudson, Barra O'Donnabhain, Charisse Carver, Robin Cleland, and T. Douglas Price, "Migration and Viking Dublin: Paleomobility and Paleodiet through Isotopic Analyses." Manuscript submitted to the *Journal of Archaeological Science*.
- In review Gwyneth W. Gordon, Hope M. Williams, Carina R. Arrua, Kelly J. Knudson, Joseph Skulan, and Ariel D. Anbar, "Measurement of Mass-Dependent and Radiogenic Strontium Isotope Variations in Chemically Processed Samples." Manuscript submitted to the *Journal of Analytical Atomic Spectrometry*.
- In review Hope M. Williams, Gwyneth W. Gordon, Joseph Skulan, Ariel D. Anbar, and Kelly J. Knudson, "Natural Variation of Stable Strontium ($\delta^{88/86}\text{Sr}$) Isotope Values in Terrestrial, Marine and Geological Materials." Manuscript submitted to *Earth and Planetary Science Letters*.
- In preparation Deborah Blom and Kelly J. Knudson, "The Relationship between Tiwanaku Mortuary Behavior and Geographic Origins at Chen Chen." Manuscript to be submitted for publication in *Expansive Tiwanaku Mortuary Practice* edited by Paul Goldstein and Karen Anderson.
- In preparation Maria Cecelia Lozada Cerna, Rex Haydon, Paula D. Tomczak, Kelly J. Knudson, Stanley H. Ambrose and Jane E. Buikstra, "Social Marginalization among the Chiribaya: The *Curandero* of Yaral." Manuscript to be submitted for publication in *Latin American Antiquity*.
- In preparation Jason Yaeger, Kelly J. Knudson, Deborah E. Blom, and Helen Haines, "Inka Capacocha Offerings and the Rededication of Sacred Space at Tiwanaku." Manuscript to be submitted for publication in *Antiquity*.

BOOK AND VOLUME EDITED

- 2009 Kelly J. Knudson and Christopher M. Stojanowski, co-editors, *Bioarchaeology and Identity in the Americas*, published in the series *Bioarchaeological Interpretations of the Human Past: Local, Regional, and Global Perspectives*, edited by Clark Spencer Larsen. University Press of Florida: Tallahassee, Florida.
- 2004 Kelly J. Knudson and David C. Meiggs, co-editors, with advisory editor Michael Richards, "Resolution and Refinement: Recent Advances in Archaeological Chemistry" published as a special section of five peer-reviewed papers in *Archaeometry*, volume 46.

PUBLISHED REVIEW OF BOOK EDITED

- 2010 *Bioarchaeology and Identity in the Americas*, co-edited by Kelly J. Knudson and Christopher M. Stojanowski, was reviewed by Pamela Geller in the *American Journal of Physical Anthropology*.

INVITED PUBLICATIONS

- 2009 Kelly J. Knudson, "Book review of *Between Biology and Culture*. Edited by Holgur Schutkowski. xii+310 pp. New York, NY: Cambridge University Press. 2008. \$130.00 (cloth)." *American Journal of Human Biology*: 21 (3): 412.

INVITED PUBLICATIONS (continued)

- 2008 Kelly J. Knudson and Christopher M. Stojanowski, "New Directions in Bioarchaeology: Recent Contributions to the Study of Human Social Identities." *Journal of Archaeological Research* 16 (4): 397-432.

OTHER PUBLICATIONS

- 2005 Kelly J. Knudson and Jane E. Buikstra. "Combining Heavy and Light Stable Isotope Analyses in the Chiribaya Polity of Southern Peru" *Society for Archaeological Sciences Bulletin* 29 (4): 4-7.

EXTERNAL RESEARCH AND TRAVEL GRANTS RECIEVED

- 2010 Fondo Nacional de Desarrollo Científico y Tecnológico (FONDECYT) entitled *Intercambio, Movilidad y Consumo Conspicuo Funerario durante el Formativo Medio (500 AC- 100 DC), Rio Loa Medio e Inferio (Desierto de Atacama) (Trade, Mobility, and Conspicuous Funerary Consumption during the Middle Formative (BC 500- AD 100), Lower and Middle Loa River (Atacama Desert) (\$358,250 awarded to Francisco Gallardo Ibáñez with Gonzalo Pimentel, Christina Torres-Rouff, Carole Sinclair Aguirre, and Rafael Labarca Encina with consultants Kelly J. Knudson and William Pestle)*
- 2008 National Science Foundation Physical Anthropology Section proposal entitled *Bioarchaeological Reconstruction of Early and Middle Holocene Human Adaptations across the Sahara-Sahel Border* (\$247,982 awarded to Christopher M. Stojanowski, Jane E. Buikstra, Elena A. Garcea, Kelly J. Knudson, and Paul C. Sereno)
- 2008 Social Science and Humanities Research Council of Canada Standard Research Grant proposal entitled *Isotopic Anthropology of Pilgrimage and Sacrifice in Ancient Andean Landscapes* (\$188,000 awarded to Christine White, Jane E. Buikstra, Kelly J. Knudson, Fred J. Longstaffe, Andrew J. Nelson, John W. Verano, and Lawrence S. Owens)
- 2007 National Science Foundation Physical Anthropology and Archaeology Sections proposal entitled *Collaborative Research: A Bioarchaeological Approach to Identity in the Middle Horizon to Late Intermediate Period Transition in San Pedro de Atacama, Chile* (\$108,151 and \$138,559 awarded to Christina Torres-Rouff and Kelly J. Knudson)
- 2007 National Science Foundation Arctic Sciences Division Office of Polar Programs Section proposal entitled *Activity Area Analysis in Western Alaska: Combining Soil Chemistry and Ethnoarchaeology at Tununak* (\$112,790 awarded to Kelly J. Knudson and Lisa Frink)
- 2006 National Science Foundation Physical Anthropology Section Small Grant for Exploratory Research entitled *Bioarchaeological Fieldwork and Exploratory Biogeochemical Testing at Gobero, Republic of Niger* (\$9,924 awarded to Christopher M. Stojanowski, Kelly J. Knudson, and Alicia Wilbur)
- 2002 National Science Foundation Doctoral Dissertation Improvement Grant entitled *Tiwanaku Residential Mobility and Archaeological Chemistry: Strontium and Lead Isotope Analyses in the South Central Andes* (\$12,000 awarded to T. Douglas Price and Kelly J. Knudson)
- 2001 The Geological Society of America Research Grant (\$2,400 awarded to Kelly J. Knudson)
- 2000 American Chemical Society Women Chemists Committee Travel Grant (\$315 awarded to Kelly J. Knudson)
- 2000 Nave Fund Latin American and Iberian Studies Field Research Grant (\$1,270 awarded to Kelly J. Knudson)

EXTERNAL RESEARCH PROPOSALS IN REVIEW

- 2010 National Endowment for the Humanities Collaborative Research Grant entitled *Weaving the Fabric of Life: Bridging Cultures of the Americas* (\$298,764 requested by Jane Buikstra, Kelly Knudson and Judy Newland with external collaborators Pamela Geller, Sonia Guillen, Maria Cecilia Lozada Cerna, and David Wenger)

INTERNAL RESEARCH AND TRAVEL GRANTS RECEIVED

- 2009 Arizona State University School of Human Evolution and Social Change Award for Student Research Assistant (\$6,346.50 awarded to Kelly J. Knudson)
- 2009 Arizona State University Late Lessons from Early History Research Grant entitled *Disruptions as a Cause and Consequence of Migration in Human History* (Preparation phase of research proposal awarded to Brenda Baker, Gaku Tsuda, Jane Buikstra, George Cowgill, Jim Eder, Leif Jonsson, Kelly Knudson, Rachel Scott, Christopher Stojanowski, and Lisa Meierotto)
- 2009 Arizona State University School of Human Evolution and Social Change Award for Student Research Assistant (\$6,000 awarded to Kelly J. Knudson)
- 2006 Arizona State University Institute for Social Science Research Catalyst Grant entitled *Combining Bioarchaeology and Geochemistry to Investigate Archaeological Migration* (\$15,000 awarded to Kelly J. Knudson, Ariel Anbar, and Everett Shock)
- 2006 Arizona State University School of Human Evolution and Social Change Research Award for Faculty entitled *Archaeological Chemistry and Residential Mobility in the Andes: Establishing Baseline Isotopic Data for Andean Regions* (\$1,500 awarded to Kelly J. Knudson)
- 2006 Arizona State University School of Human Evolution and Social Change Award for Student Research Assistant (\$6,000 awarded to Kelly J. Knudson)
- 2001 University of Wisconsin at Madison Anthropology Department Travel Grant (\$300)
- 2001 University of Wisconsin at Madison Graduate School Council Vilas Travel Grant (\$600)
- 2000 University of Wisconsin at Madison Anthropology Department Travel Grant (\$200)

CONFERENCE SYMPOSIA ORGANIZED

- 2001 “Resolution and Refinement: Leading Edge Research in Archaeological Chemistry”, sponsored by the Society for Archaeological Science and co-organized with David C. Meiggs, at the 66th Annual Society for American Archaeology Meeting, New Orleans, LA, April 18-22.

INVITED CONFERENCE PAPERS AND POSTERS PRESENTED

- 2011 “Tracing Tiwanaku Childhoods: A Bioarchaeological Study of Age and Identity in Tiwanaku Society” by Deborah E. Blom and Kelly J. Knudson. Invited paper to be presented in the symposium “Tracing Childhood: Bioarchaeological Investigations of Early Lives in Antiquity” organized by Jennifer L. Thompson, Marta Alfonso-Durruty, and John J. Crandall at the 110th Annual American Anthropological Association Meeting, Montreal, Canada, November 16-20.
- 2009 “Movilidad humana en San Pedro de Atacama: el uso de los isótopos y de la arqueología (Human Mobility in San Pedro de Atacama: The Use of Isotopes and Archaeology)” by Kelly J. Knudson. Invited paper presented in the symposium “Movilidad humana y interacciones entre poblaciones en la prehistoria chilena: perspectivas de la bioantropología y de la arqueología (Human Mobility and Interactions between Populations in Chilean Prehistory: Perspectives from Bioanthropology and Archaeology)” organized by Mark Hubbe and Christina Torres-Rouff at the 18th Congreso Nacional de Arqueología Chilena, Valparaíso, Chile, October 5-10.

INVITED CONFERENCE PAPERS AND POSTERS PRESENTED (continued)

- 2009 “Middle Horizon Social Identities in San Pedro de Atacama, Chile: Combining Recent Bioarchaeological and Biogeochemical Research” by Christina Torres-Rouff and Kelly J. Knudson. Invited paper presented in the symposium “Being Tiwanaku: New Perspectives on Social Identity in the Middle Horizon” organized by Paul S. Goldstein and Sarah Baitzel at the 74th Annual Society for American Archaeology Meeting, Atlanta, Georgia, April 22-26.
- 2009 “A Multidisciplinary Approach to Human Skeletal Analysis at Mollo Kontu, Tiwanaku (Bolivia)” by Carrie Anne Berryman, Kelly J. Knudson, Sara K. Simon, Shannon L. Wilson, and Deborah E. Blom. Invited paper presented in the symposium “Recent Research at Mollu Kontu” organized by Deborah E. Blom at the 74th Annual Society for American Archaeology Meeting, Atlanta, Georgia, April 22-26.
- 2009 “Middle Sicán Residential Mobility and Paleodiet through Stable and Radiogenic Isotope Analysis” by Kelly J. Knudson. Invited paper presented in the symposium “Three Decades of the Sicán Archaeological Project: Synthesis and Evaluation” organized by Izumi Shimada at the 74th Annual Society for American Archaeology Meeting, Atlanta, Georgia, April 22-26.
- 2008 “Recent Bioarchaeological and Biogeochemical Research at Gobero: Paleodiet and Residential Mobility in the Early and Middle Holocene” by Kelly J. Knudson and Christopher M. Stojanowski. Invited paper presented in the symposium “The Gobero Archaeological Project: Early and Middle Holocene Human Adaptations at the Sahara-Sahel Borderland” organized by Eleana A. Garcea at the 19th Biennial Meeting of the Society of Africanist Archaeologists, Frankfurt, Germany, September 8-11.
- 2008 “Oxygen Isotope Analysis in a Land of Environmental Extremes: The Advantages and Disadvantages of Isotopic Work in the Andes” by Kelly J. Knudson. Invited paper presented in the symposium “Oxygen Isotopes as Tracers of Human Mobility” organized by James H. Burton and T. Douglas Price at the 73rd Annual Society for American Archaeology Meeting, Vancouver, British Columbia, March 26-30.
- 2008 “Exploring the Relationship between Biological and Cultural Identity in Northern Chile: Biogeochemical and Bioarchaeological Research in San Pedro de Atacama” by Christina Torres-Rouff and Kelly J. Knudson. Invited paper presented in the symposium “Advances in Andean Isotopic Research: Movement and Subsistence through Space and Time” organized by Barbara Hewitt, Nicole Slovak and Bethany Turner at the 73rd Annual Society for American Archaeology Meeting, Vancouver, British Columbia, March 26-30.
- 2008 “Isotopic Insight into Middle Horizon Urbanism: Dietary Resource Distribution and Residential Mobility at Tiwanaku” by Carrie Anne Berryman, Kelly J. Knudson, Deborah E. Blom, and Robert H. Tykot. Invited paper presented in the symposium “Advances in Andean Isotopic Research: Movement and Subsistence through Space and Time” organized by Barbara Hewitt, Nicole Slovak and Bethany Turner at the 73rd Annual Society for American Archaeology Meeting, Vancouver, British Columbia, March 26-30.
- 2008 “Using Ethnoarchaeology and Soil Chemistry to Examine Herring and Salmon Fisheries on the Arctic Alaskan Coast” by Lisa Frink and Kelly J. Knudson. Invited paper presented in the symposium, “Red Fish (Salmon), White Fish (Cod), Big Fish (Halibut), Small Fish (Herring): The Archaeology of North Pacific Fisheries” organized by Madonna Moss and Aubrey Cannon at the 73rd Annual Society for American Archaeology Meeting, Vancouver, British Columbia, March 26-30.

INVITED CONFERENCE PAPERS AND POSTERS PRESENTED (continued)

- 2008 “Identifying Maya Elite Residential Mobility through Strontium Isotope Analyses at Late Classic Copan, Honduras” by Katherine Miller, Jane E. Buikstra, Jennifer Piehl, E. Wyllys Andrews V, and Kelly J. Knudson. Invited paper presented in the symposium “Beyond Status: Meaning, Metaphor, and Identity in Mortuary Practices” organized by Stephanie M. Whittlesey and Joseph A. Ezzo at the 73rd Annual Society for American Archaeology Meeting, Vancouver, British Columbia, March 26-30.
- 2007 “The Relationship between Tiwanaku Mortuary Behavior and Geographic Origins at Chen Chen (Moquegua, Peru)” by Deborah E. Blom and Kelly J. Knudson. Invited paper presented in the symposium “Seated Flexed, East and West: New Research on Mortuary Practice in Cochabamba, Bolivia, and Moquegua, Peru” organized by Paul Goldstein and Karen Anderson at the 72nd Annual Society for American Archaeology Meeting, Austin, Texas, April 24-29.
- 2007 “Residential Mobility in the Lake Titicaca Basin: Strontium Isotope Analysis at Khonkho Wankane” by Kelly J. Knudson. Invited paper presented in the symposium “Khonkho Wankane and Beyond: Recent Research in the Machaca Region of Bolivia” organized by Arik Ohnstad and Scott C. Smith at the 72nd Annual Society for American Archaeology Meeting, Austin, Texas, April 24-29.
- 2007 “Social Marginalization among the Chiribaya: The *Curandero* of Yaral, Southern Peru” by Maria Cecelia Lozada Cerna, Kelly J. Knudson, Rex Haydon, and Jane E. Buikstra. Invited poster presented in the session “Personal Guides to Life in Antiquity: The Bioarchaeology of Individuals” organized by Ann Stodder and Ann Palkovich at the 76th Annual American Association of Physical Anthropologists Meeting, Philadelphia, Pennsylvania, March 28-31.
- 2006 “Identifying Archaeological Human Migration using Biogeochemistry: Case Studies from the South Central Andes” by Kelly J. Knudson. Invited paper presented in the session “Ancient Migration: Biological Correlates” in the Cross-Disciplinary Approaches to Migration Conference organized by Graciela S. Cabana and Jeffrey J. Clark at Arizona State University, Tempe, Arizona, October 12-13.
- 2006 “Transitions and Archaeological Chemistry: An Illustration from the South Central Andes” by Kelly J. Knudson. Invited paper presented in the symposium “Transitions: Beyond Origins in Archaeological Research. Papers in Honor of T. Douglas Price” organized by Tina Thurston and Lisa Frink at the 71st Annual Society for American Archaeology Meeting, San Juan, Puerto Rico, April 26-30.
- 2006 “Using Archaeological Chemistry to Identify the Geographic Origins of Trophy Heads in the Central Andes” by Kelly J. Knudson and Tiffany A. Tung. Invited paper presented in the symposium “Archaeological Chemistry: Analytical Techniques and Archaeological Interpretations”, organized by Michael Glascock, Jeff Speakman, and Rachel Popelka-Filcoff at the 231st Annual American Chemical Society Meeting, Atlanta, Georgia, March 26-30.
- 2005 “Migration and Bone Chemistry: Case Studies from the South Central Andes” by Kelly J. Knudson. Invited paper presented in the symposium “Migration and Anthropology: New Perspectives for a New Millennium”, organized by Graciela S. Cabana and Jeffrey J. Clark at the 104th Annual American Anthropological Association Meeting, Washington, D.C., November 30-December 4.
- 2004 “The Bioarchaeology of Identity: Case Studies from the South Central Andes” by Kelly J. Knudson, Deborah E. Blom and Jane E. Buikstra. Invited paper presented in the symposium “Tensions, Theory and Directions in Bioarchaeology”, organized by Kenneth C. Nystrom at the 103rd Annual American Anthropological Association Meeting, Atlanta, Georgia, December 16-19.

INVITED CONFERENCE PAPERS AND POSTERS PRESENTED (continued)

- 2004 “Migration in the Middle Horizon: Bone Chemistry and the Nature of the Tiwanaku Polity in the South Central Andes” by Kelly J. Knudson, T. Douglas Price, Jane E. Buikstra and Deborah E. Blom. Invited paper presented in the symposium “Uncovering Social Organization in the Andes: Recent Developments in Bioarchaeology”, organized by Deborah E. Blom and Julie Farnum at the 69th Annual Society for American Archaeology Meeting, Montreal, Canada, March 31-April 4.
- 2001 “Tiwanaku Residential Mobility as Determined by Strontium and Lead Isotope Analyses” by Kelly Knudson, T. Douglas Price, Jane Buikstra and Deborah Blom. Invited paper presented in “Resolution and Refinement: Leading Edge Research in Archaeological Chemistry” organized by Kelly J. Knudson and David C. Meiggs at the 66th Annual Society for American Archaeology Meeting, New Orleans, Louisiana, April 18-22.

CONTRIBUTED CONFERENCE PAPERS AND POSTERS PRESENTED

- 2011 “Diversidad en la dieta de poblaciones del norte de Chilea través del estudio de isotopos estables: un primer acercamiento macro-regional (Dietary Diversity in Populations in Northern Chile through Stable Isotopes: A First Macro-Regional Approach)” by Christina Torres-Rouff, William J. Pestle, Mark Hubbe, Gonzalo Pimentel, Francisca Santana S., and Kelly J. Knudson. Paper submitted to be presented at the 3rd Congreso Latinoamericano de Arqueometria, Arica, Chile, November 14-18.
- 2011 “Preliminary Isotopic Analysis of Post-Meroitic to Christian Period Nubians from the Ginefab School Site, Sudan” by Meridith A. Masoner, Brenda J. Baker, and Kelly J. Knudson. Poster presented at the 79th Annual American Association of Physical Anthropologists Meeting, Minneapolis, Minnesota, April 12-16.
- 2011 “Multi-Ethnicity in the Sican World: Figurines and Other Lines of Evidence” by Gabriela Cervantes, Izumi Shimada, Haagen Klaus, and Kelly J. Knudson. Paper to be presented at the 76th Annual Society for American Archaeology Meeting, Sacramento, California, March 31-April 4.
- 2010 “Movilidad y Paleodieta de la Comunidad Argárica de Gatas. Análisis de $^{87}\text{Sr}/^{86}\text{Sr}$ $\delta^{18}\text{O}$, and $\delta^{13}\text{C}$ (Mobility and Paleodiet in the Argaric Site of Gatas. $^{87}\text{Sr}/^{86}\text{Sr}$ $\delta^{18}\text{O}$, and $\delta^{13}\text{C}$ Analysis)” by Marta Diaz-Zorita Bonilla, Eleni Anna Prevedorou, Jane E. Buikstra, Kelly J. Knudson, Gwyneth Gordon, and Ariel Anbar. Poster presented at the Primer Congreso de Prehistoria de Andalucía, Antequera, Spain, September 29-October 2.
- 2010 “Life and Death of an Andean Traveler: Isotopic Evidence for Geographic Origins and Paleodiet in an Individual Buried along a Route Connecting the Coast and Interior of the Atacama Desert, Northern Chile” by Kelly J. Knudson, William J. Pestle, Christina Torres-Rouff, and Gonzalo Pimentel. Paper presented at the 78th Annual American Association of Physical Anthropologists Meeting, Albuquerque, New Mexico, April 14-17.
- 2010 “Isotopic Analysis of Diet and Residential Mobility at San Pedro de Atacama, Chile: Understanding the Tiwanaku Phenomenon through Patterns of Local Social Organization in Solcor *Ayllu*” by Kristin L. Nado, Sara J. Marsteller, Laura M. King, Blair M. Daverman, Christina Torres-Rouff, and Kelly J. Knudson. Poster presented at the 78th Annual American Association of Physical Anthropologists Meeting, Albuquerque, New Mexico, April 14-17.
- 2010 “The Solcor *Ayllu*: Exploring Variation in Biological and Cultural Elements from Contemporary Cemeteries in Pre-Columbian Northern Chile” by Laura M. King, Blair M. Daverman, Kristin L. Nado, Sara J. Marsteller, Christina Torres-Rouff, and Kelly J. Knudson. Poster presented at the 78th Annual American Association of Physical Anthropologists Meeting, Albuquerque, New Mexico, April 14-17.

CONTRIBUTED CONFERENCE PAPERS AND POSTERS PRESENTED (continued)

- 2009 "Pre-Hispanic Aviculture at Paquime: Carbon and Oxygen Isotope Analysis of Macaw Bone Carbonate" by Andrew Somerville, Ben Nelson, and Kelly J. Knudson. Paper presented at the 74th Annual Society for American Archaeology Meeting, Atlanta, Georgia, April 22-26.
- 2009 "Residential Mobility and Dietary Patterns at the Prehistoric Site of Gatas, Southeastern Spain" by Eleni Anna Prevedorou, Marta Diaz-Zorita Bonilla, Jane E. Buikstra, Gwyneth Gordon, Ariel Anbar, and Kelly J. Knudson. Poster presented at the 78th Annual American Association of Physical Anthropologists Meeting, Chicago, IL, April 1-4.
- 2008 "Geographic Origins and Residential Mobility at the Pilgrimage Center of Pachacamac, Peru" by Kelly J. Knudson, Martha Palma Málaga, Izumi Shimada, and Rafael Segura Llanos. Paper presented at the 77th Annual American Association of Physical Anthropologists Meeting, Columbus, Ohio, April 9-13.
- 2008 "Dental Decoration and Residential Mobility in 8th Century Pamplona, Northern Spain" by Eleni Anna Prevedorou, Marta Diaz-Zorita Bonilla, Jane E. Buikstra, M. Paz de Miquel Ibáñez, and Kelly J. Knudson. Poster presented at the 77th Annual American Association of Physical Anthropologists Meeting, Columbus, Ohio, April 9-13.
- 2007 "Explorando la movilidad y los patrones dietarios durante la Edad del Cobre en el Suroeste de la Península Ibérica: Estudio preliminar bioarqueológico del Tholos de Palacio III (Almadén de la Plata, Sevilla)," by Marta Diaz-Zorita Bonilla, A. J. Waterman and Kelly J. Knudson. Poster presented at the IX Congreso Nacional de Paleopatología Meeting, Morella, Spain, September 26-29.
- 2007 "Acculturation and Geographic Origins: Integrative Bioarchaeological and Archaeological Chemical Analyses of an Individual from Solcor 3, North Chile" by Christina Torres-Rouff and Kelly J. Knudson. Paper presented at the 76th Annual American Association of Physical Anthropologists Meeting, Philadelphia, Pennsylvania, March 28-31.
- 2007 "Diet, Disease, and the Paleopathological Record" by Alicia K. Wilbur, Amy W. Farnbach, Kelly J. Knudson, and Jane E. Buikstra. Poster presented at the 76th Annual American Association of Physical Anthropologists Meeting, Philadelphia, Pennsylvania, March 28-31.
- 2006 "Residential Mobility and Resource Use in the Chiribaya Polity of Southern Peru" by Kelly J. Knudson and Jane E. Buikstra. Paper presented at the 2nd Biannual Archaeological Sciences of the Americas Symposium, Tucson, Arizona, September 13-16.
- 2006 "The Life History of an Inka Sacrifice Using Archaeological Chemistry" by Kelly J. Knudson, Jason Yaeger, and Deborah E. Blom. Paper presented at the 75th Annual American Association of Physical Anthropologists Meeting, Anchorage, Alaska, March 5-12.
- 2006 "Identifying the Origin of Wari Trophy Heads in the Ancient Andes using Bioarchaeology and Archaeological Chemistry" by Tiffany A. Tung and Kelly J. Knudson. Paper presented at the 75th Annual American Association of Physical Anthropologists Meeting, Anchorage, Alaska, March 5-12.
- 2005 "Identifying Archaeological Residential Mobility in the Andes: The Utility of Multiple Chemical Techniques" by Kelly J. Knudson and T. Douglas Price. Paper presented at the UK Archaeological Science Conference, Bradford, United Kingdom, April 13-16.
- 2005 "Residential Mobility and Archaeological Chemistry in the South Central Andes: Trace Element and Strontium Isotope Data from Tiwanaku and Chiribaya Sites" by Kelly J. Knudson. Paper presented at the 33rd Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory, Columbia, Missouri, February 26-27.

CONTRIBUTED CONFERENCE PAPERS AND POSTERS PRESENTED (continued)

- 2004 “Fish Heads, Fish Heads: Activity Area Analysis in Contemporary Yup’ik Fish Camps in Western Alaska through Chemical Characterization of Soils” by Kelly J. Knudson, Lisa Frink, Brian Hoffman and T. Douglas Price. Paper presented at the 1st Annual Archaeological Sciences of the Americas Symposium, Tucson, Arizona, September 23-26.
- 2003 “Tiwanaku Residential Mobility, Migration and Ritual Behavior as Determined by Archaeological Chemistry” by Kelly J. Knudson, T. Douglas Price, Jane Buikstra and Deborah Blom. Paper presented at the 31st Annual Midwest Conference on Andean and Amazonian Archaeology and Ethnohistory, Chicago, Illinois, February 22-23.
- 2002 “Strontium Isotope Analysis and Migration in the South Central Andes: Tiwanaku Colonization of the Moquegua Valley” by Kelly J. Knudson, T. Douglas Price, Jane Buikstra and Deborah Blom. Paper presented at the 33rd International Symposium on Archaeometry, Amsterdam, The Netherlands, April 22-26.

INVITED WORKSHOPS ATTENDED

- 2006 Participated in the Cross-Disciplinary Approaches to Migration Conference organized by Graciela S. Cabana and Jeffrey J. Clark at Arizona State University, Tempe, Arizona, October 12-13.
- 1996 Participated in Shaping the Future: Strategies for Revitalizing Undergraduate Education conference sponsored by the National Science Foundation and the National Research Council, Washington, D.C., July 11-13.

ANTHROPOLOGICAL FIELD AND LABORATORY RESEARCH

- 2007-present Director, Archaeological Chemistry Laboratory, Arizona State University, Tempe, Arizona, USA
- 2007 Laboratory Research for Discovery Channel television series “Bone Detective”, Archaeological Chemistry Laboratory and W.M. Keck Foundation Laboratory for Environmental Biogeochemistry, Arizona State University, Tempe, Arizona, USA
- 2007 Ethnoarchaeological and Archaeological Field Research, Coastal Alaska Soils Project co-directed by Drs. Kelly J. Knudson and Lisa Frink, Tununak, Alaska, USA
- 2006-present Laboratory Research, W.M. Keck Foundation Laboratory for Environmental Biogeochemistry, Arizona State University, Tempe, Arizona, USA
- 2005 Laboratory Research, Elemental Analysis Facility and the Isotope Geochemistry Laboratory at the Field Museum of Natural History, Chicago, IL, USA
- 2005 Project Archaeological Chemist, Proyecto Jacha Machaca excavations directed by Dr. John W. Janusek, Khonkho Wankane, Bolivia
- 2005 Archaeological Field Research, Arequipa, Peru, and San Pedro de Atacama, Chile
- 2004 Laboratory Research for Discovery Channel television series “Mummy Autopsy”, Laboratory for Archaeological Chemistry, University of Wisconsin at Madison, USA
- 2003 Dissertation Laboratory Research, Isotope Geochemistry Laboratory, University of North Carolina at Chapel Hill, USA
- 2003 Laboratory Research, Laboratory for Archaeological Chemistry at the University of Wisconsin at Madison, USA
- 2003 Dissertation Field Research, Museo Contisuyo, Moquegua, Peru
- 2002 Dissertation Laboratory Research, Laboratory for Archaeological Chemistry, University of Wisconsin at Madison, USA
- 2001 Dissertation Field Research, San Pedro de Atacama, Chile, and Tiwanaku, Bolivia
- 2001 Field Supervisor, Proyecto Arqueológico Pumapunku-Akapana excavations directed by Drs. Alexei Vranich and Jason Yaeger, Tiwanaku, Bolivia

ANTHROPOLOGICAL FIELD AND LABORATORY RESEARCH (continued)

- 2001 Field Supervisor, Proyecto Bioarqueológico de Beringa excavations directed by Dr. Tiffany Tung, Majes Valley, Peru
- 2000 Dissertation Field Research, Ilo and Ayacucho, Peru
- 1999 Dissertation Field Research, Department of Arequipa, Peru
- 1999 Field Volunteer, CIARQ (Centro de Investigaciones Arqueológicas de Arequipa) survey directed by Lic. Augusto Cardona and Dr. Karen Wise, Arequipa, Peru
- 1999 Field Volunteer, Proyecto Cotahuasi excavations directed by Dr. Justin Jennings, Cotahuasi Canyon, Peru
- 1995 Field School Participant, Beloit College Field School directed by Drs. Mario Rivera and Daniel Shea, Ramaditis, Atacama Desert, Chile

INVITED EXTERNAL PRESENTATIONS

- 2011 "Creation and Manipulation of Social Identities in the South Central Andes," Guest Scientist Presentation, National Science Foundation Summer Undergraduate Research Program, University of Notre Dame (June 24)
- 2011 "Isotopes and Anthropology: What Biogeochemistry Can Contribute to Bioarchaeology," Guest Scientist Presentation, National Science Foundation Summer Undergraduate Research Program, University of Notre Dame (June 23)
- 2010 "State Expansion and Collapse through Biogeochemistry and Bioarchaeology: Residential Mobility and Paleodiet in the Ancient Andes," University of California at San Diego (May 24)
- 2010 "Isotopes and Incas: Combining Biogeochemistry and Bioarchaeology to Understand State Formation and Integration in the Pre-Hispanic Andes," Sigma Xi, The Scientific Research Society (February 11)
- 2008 "Ancient Andean States through Biogeochemistry and Bioarchaeology," Central Arizona Archaeological Institute of America (December 4)
- 2008 "State Expansion and Collapse in the Andes through Biogeochemistry and Bioarchaeology," Department of Anthropology, University of Western Ontario (January 23)
- 2004 "Empires and Ideology: The Andean Middle Horizon," ANTH 102: Archaeology and the Prehistoric World, University of Wisconsin at Washington County (November 10)
- 2002 "Water and Ritual in the Andes: Archaeological, Ethnohistoric and Ethnographic Examples," Beloit College First Year Initiatives Program (November 7)
- 2002 "Anthropological Approaches to Migration: An Andean Case Study," to ANTH 210: Technique and Theory in Archaeology, Beloit College (November 7)
- 2001 "Water and Ritual in the Andes: Archaeological, Ethnohistoric and Ethnographic Examples," Beloit College First Year Initiatives Program (October 11)
- 2001 "Treks, Trade and Trace Elements: Recent Advances in Archaeological Chemistry," Beloit College Chemistry Club (October 11)

INVITED INTERNAL PRESENTATIONS

- 2011 "Human-Environment Interactions in the Andes: A Case Study from Tiwanaku, Bolivia (AD 500-1100)," ASB 326: Human Impacts on the Environment, Arizona State University (April 18)
- 2011 "Guest Discussant: Reconstructing Paleodiet through Biogeochemistry," ASM 551: Prehistoric Diet, Arizona State University (February 22)
- 2011 "Reconstructing Mobility and Subsistence Patterns from Isotopes," ASM 394: Anthropological Sciences Seminar, Arizona State University (February 15)
- 2010 "Assessing Migration and Identity through Archaeological Chemistry," ASM 450: Bioarchaeology, Arizona State University (November 16)

INVITED INTERNAL PRESENTATIONS (continued)

- 2010 "Faculty Panel: How To Write a Successful Grant Proposal," ASM 591: Proposal Writing, Arizona State University (September 28)
- 2010 "Human-Environment Interactions during the Middle Horizon (AD 500-1100): A Tiwanaku Case Study," ASB 326: Human Impacts on the Environment, Arizona State University (April 13)
- 2010 "Migrations and Disruptions in the Past: Biogeochemistry and Bioarchaeology in the Andes," Late Lessons through Early History, Arizona State University (January 29)
- 2007 "Andean Bioarchaeology of Empires" ASB 191: Civilizations of Antiquity, Arizona State University (December 3)
- 2007 "Ancient Andean Empires" ASB 191: Civilizations of Antiquity, Arizona State University (November 26)
- 2007 "Assessing Migration and Identity through Archaeological Chemistry" ASM 450: Bioarchaeology, Arizona State University (November 14)
- 2007 "Human-Environment Interactions during the Middle Horizon (AD 500-1100): A Tiwanaku Case Study," ASB 326: Human Impacts on the Environment, Arizona State University (November 7)
- 2007 "Andean State Expansion and Collapse: Combining Biogeochemistry and Bioarchaeology," School of Human Evolution and Social Change Archaeology and Bioarchaeology Brown Bag Lecture Series, Arizona State University (October 19)
- 2007 "Bioarchaeological Approaches to Migration and Mobility," ASM 301: Peopling of the World, Arizona State University (April 6)
- 2006 "Empires and Ideology: The Andean Middle Horizon," ASB 223: Buried Civilizations of the Americas, Arizona State University (October 20)
- 2006 "Bioarchaeology and the Andes," Undergraduate Anthropology Association Brown Bag Lecture Series, Arizona State University (October 19)
- 2006 "Andean Ritual Activity and Archaeological Residential Mobility," Center for Bioarchaeological Research Brown Bag Lecture Series, Arizona State University (October 6)
- 2006 "Identifying Archaeological Residential Mobility in the Andes: Tiwanaku Political Integration and Expansion," Ancient Urbanism Group, Arizona State University (April 14)
- 2006 "Andean Urbanism: Case Studies from the Wari and Tiwanaku Polities," ASB 591: Perspectives on Mesoamerican Urbanism, Arizona State University (February 21)
- 2006 "Identifying Archaeological Residential Mobility," W.M. Keck Foundation Laboratory for Environmental Biogeochemistry, Arizona State University (February 16)
- 2002 "Biomaterials and Bone Chemistry," ANTH 112: Principles of Archaeology, University of Wisconsin at Madison (July 3)
- 2002 "Introduction to Archaeometry," ANTH 112: Principles of Archaeology, University of Wisconsin at Madison (July 2)
- 2001 "Investigating Wari Residential Mobility in the South Central Andes: Excavations at Beringa, Majes Valley, Peru," University of Wisconsin at Madison AnthroCircle Presentation Series (November 20)
- 1999 "Archaeology in Arequipa: Survey, Excavation and *Cuy* Collecting in Southern Peru," University of Wisconsin at Madison AnthroCircle Presentation Series (December 1)

PUBLIC OUTREACH

- 2002 "How Archaeologists Know What They Know," Madison East High School (September 13)
- 2001 "How Archaeologists Know What They Know," Madison LaFollette High School (March 16)

PUBLIC OUTREACH (continued)

- 2000 “How Do They *Know* That?: An Introduction to Survey, Excavation and Laboratory Analysis,” Madison LaFollette High School (January 5)
- 1999 “How Do They *Know* That?: An Introduction to Survey, Excavation and Laboratory Analysis,” Madison LaFollette High School (May 17)

PROFESSIONAL ACTIVITIES

Professional Service

- 2011-present Society for American Archaeology Committee on Awards Committee Chair
- 2009-2011 Society for American Archaeology Committee on Awards Member
- 2007 Consultant for Discovery Channel television series, “Bone Detective”
- 2004-present Reviewer for the following funding agencies: Canadian Foundation for Innovation, National Geographic Society, National Science Foundation, Fondo Nacional de Desarrollo Científico y Tecnológico (FONDECYT) (National Fund for Scientific & Technological Development in Chile), Foundation for Polish Science, Graduate Women in Science, Wenner-Gren Foundation
- 2004-present Reviewer for the following publications: *American Antiquity*, American Chemical Society Publications Division, *American Journal of Physical Anthropology*, *Annals of Human Biology*, *Antiquity*, *Chungara: Revista de Antropología Chilena*, *Current Anthropology*, *Geoarchaeology*, *International Journal of Osteoarchaeology*, *Journal of Anthropological Archaeology*, *Journal of Archaeological Science*, *Journal of Archaeological Research*, *Latin American Antiquity*, *Maya Archaeology*, Springer
- 2004 Consultant for Discovery Channel television series, “Mummy Autopsy”

Professional Associations

- 2010-present International Association of Paleodontology
- 2007-present Sigma Xi, Arizona State University Chapter
- 2007-present Association for Women in Science, Central Arizona Chapter
- 2003-present American Association of Physical Anthropologists
- 2002-present American Anthropological Association, Biological Anthropology and Archaeology Divisions, Society for Anthropological Sciences Interest Group
- 2002-present Dental Anthropology Association
- 2001-present Geological Society of America
- 2000-2004 Sigma Delta Epsilon Graduate Women in Science University of Wisconsin at Madison
- 1999-present Society for Archaeological Sciences
- 1999-present Society for American Archaeology

Departmental Service, Arizona State University

- 2011 School of Human Evolution and Social Change Bylaws Committee
- 2010 School of Human Evolution and Social Change Appeals Committee
- 2010 School of Human Evolution and Social Change Ecological Anthropology Search Committee Member
- 2010 School of Human Evolution and Social Change Hiring Search Committee Member
- 2009 Faculty Award for Significant Contribution to Undergraduate Education in the School of Human Evolution and Social Change Committee Member
- 2008-present Center for Bioarchaeological Research Long-Term Planning Committee
- 2008 School of Human Evolution and Social Change Temporary Hiring Search Committee Member
- 2008 School of Human Evolution and Social Change Bioarchaeology Search Committee Member
- 2006-2008 School of Human Evolution and Social Change Affirmative Action Committee
- 2005-present Ruppé Prize Committee Member
- 2005-2006 Center for Bioarchaeological Research Website Design Committee Member

PROFESSIONAL ACTIVITIES (continued)

Departmental Service, Arizona State University (continued)

- 2005-2006 Center for Bioarchaeological Research Hiring Search Committee Member
- 2005-2006 Center for Bioarchaeological Research Curriculum Committee Member
- 2005-2006 Undergraduate Curriculum Redesign Committee Member
- 2005-2006 Graduate Curriculum Implementation Committee Member

Departmental Service, University of Wisconsin at Madison

- 2001-2002 AnthroCircle Presentation Committee Chair
- 2000-2001 Department of Anthropology Sexual Harassment Committee Student Representative
- 1997-1998 Archaeology Brown Bag Lecture Series Co-Organizer