Dr. Stefani A. Crabtree, Ph.D.

CONTACT INFORMATION

Penn State Anthropology 410 Carpenter Building University Park, PA 16802 stefanicrabtree@gmail.com simulatingcomplexity.wordpress.com www.stefanicrabtree.com

APPOINTMENTS

Pennsylvania State University

Post-doctoral scholar

January 2017-present

State College, PA

EDUCATION

Ph.D. Department of Anthropology, Washington State University, Pullman, WA. 2016 Ph.D. Dissertation: Alliances, territoriality, conflict and warfare in the U.S. Southwest with a comparative case study from the South of France Committee Chair: Timothy A. Kohler

Ph.D. Archéologie, Territoires, Environnement, Université de Franche-Comté,

Besançon, Franche-Comté, France. 2016

Thèse: Territorialité, alliance, conflit et guerre dans le sud-ouest des Etats-Unis : modélisation multi-agents et approche comparative avec un cas d'étude en France méditerranéenne.

Committee Co-chairs: François Favory & Laure Nuninger

M.A. Department of Anthropology, Washington State University, Pullman WA. 2012

B.A. Department of Anthropology, Scripps College, Claremont, CA. *Minor: French.* 2004

Formal International Education

2012-2016 Université de Franche-Comté, Besançon, France.

2005 Hanoi Language School, Vietnam.

2002-2003 Université Paris IV, Sorbonne, Paris, France.

ADVANCED SUMMER SCHOOLS

2011 Santa Fe Institute Complex Systems Summer School. Santa Fe, NM.

2011 São Paolo Advanced Science School on Ecological Networks. São Pedro, Brazil.

PUBLICATIONS

Peer-reviewed journal articles

2017 Crabtree, Stefani A., R. Kyle Bocinsky, Paul L. Hooper, Susan C. Ryan, and Timothy A. Kohler. "How to Make a Polity (in the Central Mesa Verde Region)." *American Antiquity*, 82(1), 71-95. 2016 D'alpoim Guedes, Jade, **Stefani A. Crabtree**, R. Kyle Bocinksy, Timothy A. Kohler "21st Century Approaches to Ancient Problems: Climate and Society." Proceedings of the National Academy of Sciences, 113(51), 14483-14491; doi: 10.1073/pnas.1616188113. 2016 Crabtree, Stefani A., and Benjamin A. Bellorado "Using Cross-Media Approaches to Understand Invisible Industry: How Cotton Production Influenced Pottery Designs and Kiva Murals in Cedar Mesa." Kwa, 82(2), 174-200. 2016 Crabtree, Stefani A. "Simulating Littoral Trade: Modeling the trade of wine in the Bronze to Iron Age transition in Southern France." Land **2016**, 5(1), 5; doi:10.3390/land5010005. 2015 Clark, Julia K., **Stefani A. Crabtree** "Examining Social Adaptations in a Volatile Landscape in Northern Mongolia Via the Agent-Based Model Ger Grouper." Land **2015**, 4(1), 157-181; doi:10.3390/land4010157. 2015 Crabtree, Stefani A. "Inferring Ancestral Pueblo Social Networks from Simulation in the Central Mesa Verde" Journal of Archaeological Method and Theory: Volume 22, Issue 1 (2015), Page 144-181. DOI 10.1007/s10816-014-9233-8 2013 Cockburn, Denton, **Stefani A. Crabtree**, Timothy A. Kohler, R. Kyle Bocinsky "Simulating Social and Economic Specialization in Small-scale Agricultural Societies." *Journal of Artificial Societies and Social Simulation*. Vol 16(5). 2013 Crabtree, Stefani A. and Ludovic Malécot "The Solitary Goddess: Evidence of Roman and Gaulish syncretism in the Déesse de l'Abondance of Rom, France." The European Archaeologist. Vol 39, p. 7-14. 2012 **Crabtree, Stefani A** and Timothy A. Kohler "Modeling Across Millennia: Interdisciplinary Paths to Ancient Socio-natural Systems" in special issue Modeling Across Millennia: Interdisciplinary Paths to Ancient Socio-natural Systems. Ecological Modelling. Vol 241, p. 2-4. 2012 Timothy A. Kohler, R. Kyle Bocinsky, Denton Cockburn, **Stefani A. Crabtree**,

Mark Varien, Ken Kolm, Schaun Smith, Scott Ortman, and Ziad Kobti

"Modelling Prehispanic Societies in their Ecosystems" in special issue Modeling

Across Millennia: Interdisciplinary Paths to Ancient Socio-natural Systems. *Ecological Modelling*. Vol 241, p. 30-41.

Articles Under Review

In review **Crabtree, Stefani A.**, Lydia J. S. Vaughn, Nathan T. Crabtree "Cascading

Effects and Social Consequences: Foodwebs in the Ancestral Pueblo Southwest."

Submitted to Journal of Archaeological Science.

In review Romanowska, Iza, **Stefani A. Crabtree**, Benjamin Davies, Kathryn Harris

"Agent-based Modeling for Archaeologists. Why model? How to model? When to

use a model? A step-by-step guide." Submitted to Advances in Archaeological Practice.

In review Harris, Kathryn, **Stefani A. Crabtree** "The Infinite Efficiency of Debitage."

Submitted to Journal of Archaeological Science Reports.

Special Issues

2012 **Crabtree, Stefani A** and Timothy A. Kohler *editors* Modeling Across Millennia: Interdisciplinary Paths to Ancient Socio-natural Systems. *Ecological Modelling*. August, 2012. Vol 241.

Peer reviewed Book chapters

In press Kohler, Timothy A., **Stefani A. Crabtree**, R. Kyle Bocinsky and Paul Hooper

"Developing General Methods for Explaining Sociopolitical Evolution in Prehispanic Pueblo Societies." Sabloff, J. (*Ed.*) <u>The Principles of Complexity</u>. Princeton University Press. http://www.santafe.edu/media/workingpapers/15-

04-011.pdf

In press Laure Nuninger, Pierre Garmy, Thérèse Libourel, **Stefani A. Crabtree**, Jean-

Luc Fiches, Jacques Ferber. Modéliser les mutations territoriales de l'Âge du Fer dans le midi de la Gaule (VIe-Ve siècles av. J.-C.). Presses Universitaires François

Rabelais; Paris, France.

In press Clara Schmitt, Robin Cura, Hélène Mathian, **Stefani A. Crabtree**, Christophe

Coupé, Alain Franc, Florent Le Néchet, Lucie Nahassia, Lena Sanders. « TransModélographie ». Transitions dans les systèmes de peuplement: observer, interpréter et simuler l'émergence du changement spatial. Presses Universitaires

François Rabelais; Paris, France.

In press Timothy A. Kohler, **Stefani A. Crabtree**. « Village and Polity Formation in Pueblo Societies: How Population Growth Channels Social Processes in Neolithic

Societies ». Transitions dans les systèmes de peuplement: observer, interpréter et

simuler l'émergence du changement spatial. Presses Universitaires François Rabelais ; Paris, France.

2012 Kohler, Timothy A., R. Kyle Bocinsky, **Stefani A. Crabtree** and Ben Ford. *Exercising the Model: Settlement Efficiency and Changes in Locational Practice, in* Emergence
and Collapse of Early Villages: Models of Central Mesa Verde Archaeology. Cal
Press. p. 153-164.

Other publications and works

Crabtree, Stefani Healing Secrets of the South Pacific: An anthropologist discovers
 Samoan tinctures you can sample right at home. March, "Natural Health Magazine",
 pp.89-90.
 SWCA Environmental Associates. A Class III Cultural Resource Inventory for the Ryan
 Gulch 3-D Geophysical Exploration Project, Rio Blanco County, Colorado. November, 2008.
 Crabtree, Stefani Medicinal Matriarchs: Women and Traditional Medicine in Oceania
 and Asia. Thomas J. Watson Foundation Final Report.

TEACHING EXPERIENCE

Washington State University, Sole Instructor

Fall 2016: Anthropology 130: Great Discoveries in Archaeology

Anthropology 330: The Origins of Civilization

Spring 2016: Anthropology 201: Art and Society
Fall 2015: Anthropology 201: Art and Society
Summer 2015 Anthropology 201: Art and Society

Spring 2015 Anthropology 130: Great Discoveries in Archaeology

Spring 2013 Anthropology 101: General Anthropology (A Four Fields Approach)
Fall 2012 Anthropology 101: General Anthropology (A Four Fields Approach)

Short Courses

Spring 2016: Agent-based modeling, an introduction. A 2-day workshop at the Computer

Approaches in Archaeology Conference. Oslo.

Summer 2013: Simulation multi-agents. A 3-day workshop at the Université de Franche-

Comté, France.

Other Teaching, Sole Instructor

Spring 2006: The Americana Project: The Archaeology of Oregon. Sisters School District.

MAJOR FELLOWSHIPS AND GRANTS

2015-2019	National Science Foundation. (Jade d'Alpoim Guedes, Senior PI). Adapting Subsistence Regimes to the Roof of the World: A case study from the Jiuzhaigou National Park. \$195,536
2010-2015	National Science Foundation Graduate Research Fellowship. 2010-2015. Stipend: \$92,000, Cost of Education: \$36,000, International Travel: \$1000
2013-2014	Chateaubriand Fellowship Program, Humanities and Social Science (part of the Chateaubriand-Fulbright U.S. and France Embassy Agreement). 2013-2014. Stipend: €6000, International Travel: €1500
2013	National Science Foundation Graduate Research Opportunities Worldwide. 2013. France. Stipend: \$5000
2005	Thomas J. Watson Fellowship. 2004-2005. New Zealand, Samoa, India, Vietnam. Stipend: \$22,000

AWARDS, HONORS AND SMALL RESEARCH GRANTS

2016	Computer Approaches and Quantitative Methods in Archaeology Travel Award, €500
2016	Graduate and Professional Student Association Travel Award, \$180
2015	3MT: Three Minute Thesis Competition, Social Sciences Division, Washington State University, \$1000
2015	The Wiley Research Exposition Student Poster Award, Social Sciences, First Place, \$400
2014	Graduate and Professional Student Association Travel Award, \$350
2014	Elaine Burgess Graduate Fellowship in Anthropology. Washington State University, \$500
2014	Arizona Archaeological and Historical Society Travel Award, \$350
2014	Bourse de Mobilité Internationalles des Doctorantes, Université de Franche- Comté, €1300
2013	NeDiMAH Workgroup "Space and Time" Grant, €600
2013	Washington State University Office of Research and Graduate School <i>Cotutelle</i> Grant, \$1000

2013	Janet L. Friedman Memorial Fellowship in Archaeology. Washington State University, \$1000
2013	Washington State University Office of Research and Graduate School Summer Research Grant, \$1000
2013	Arizona Archaeological and Historical Society Travel Award, \$350
2012	Don Crabtree Scholarship in Lithic Technology, \$1000
2012	Nicholas Michael Scoales Scholarship in Archaeology, Washington State University, \$1000
2012	Washington State University Association for Faculty of Women Founder's Award, $\$200$
2012	American Association for the Advancement of Science, First Place, student poster competition, Social Sciences division, \$200
2011	São Paolo Advanced Science School on Ecological Networks Grant, \$2000
2011	Santa Fe Institute Complex Systems Summer School Scholarship, \$2000
2011	National Science Foundation Graduate Research Fellow International Travel Grant, \$1000
2010	Washington State University Graduate School Travel Grant. \$450
2010	NSF IGERT Program in Evolutionary Modeling. Honorable Mention.

INVITED SYMPOSIA

2015	San Diego State University, San Diego, CA. "Cascading Effects and Social Consequences: Foodwebs in the Ancestral Pueblo Southwest." November 15.
2015	Washington University in St. Louis, MO. "Examining Ancestral Pueblo Trophic Networks." August 28.
2014	Pitzer College, Claremont, CA. "Ethnography, Archaeology and Adventure in Mongolia." May 2.
2014	University of Southampton, Southampton, U.K. "A Tale of Two Villages, or, How Food Exchange Led to Aggregation in the American Southwest." January 21.
2014	University of Cambridge, Cambridge, U.K. "Aggregation and Simulation in the American Southwest." January 17.

2013 Université de Franche-Comté, Besançon. "Introduction à la modélisation multiagent dans Netlogo." May 29.

PAST POSITIONS

2016	Co-Director, Northern Mongolia Archaeology Project, American Center for Mongolian Studies. 2016.
2016	Researcher, Indiana University & Santa Fe Institute, School of Informatics and Computing. 2016.
2014-2015	Archaeologist and Field Technician. Rain Shadow Research, Pullman, WA.
2009-2014	Research Fellow, Department of Anthropology, Washington State University.
2011	Assistant-Director, Targan Nuur Archaeology Project, University of Pittsburgh. 2011.
2010	Field Technician. Cultural Resource Consultants, Ellensburg, WA.
2009	Archaeologist. Scott Stuemke and Associates, Bend, OR.
2008-2009	Archaeologist and crew chief. SWCA Environmental Consultants, Denver, CO.
2007-2008	Archaeological Field Technician. Cultural Resource Analysts, Inc. Longmont, CO.

CONFERENCE ACTIVITY

Symposia Organized

- 2017 Data, Theory, Methods, and Models. Approaching Anthropology and Archaeology through Computational Modeling. Computer Approaches and Quantitative Applications in Archaeology. Atlanta, GA, March 15.
- 2016 Complex systems simulations in archaeology. Can You Model That? Applications of Complex Systems Simulation to Explore the Past. Computer Approaches and Quantitative Applications in Archaeology. Oslo, Norway, March 30.
- Social networks, disasters, and human resilience: perspectives from the four fields of anthropology. 114th Annual Society for the American Anthropological Association Meetings. Denver, CO., November 16.
- Simulating Social Complexity to Understand the Archaeological Past. 80th Annual Society for American Archaeology Meetings. San Francisco, CA. April 16.

- 2012 Socionatural Systems in the Northern U.S. Southwest: A Village Ecodynamics Project II Progress Report. 77th Annual Society for American Archaeology Meetings. Memphis, TN, April 21.
- 2011 Modeling Across Millennia: Interdisciplinary Paths to Ancient Socio-natural Systems. AAAS Annual Meetings. Washington, DC. February 20.

Papers

- **Crabtree, Stefani A.** Assessing Network Connectance with the Assistance of Ethnography, Archaeology and Agent-Based Modeling. Paper in symposium at 114th Annual Society for the American Anthropological Association Meetings. Denver, CO., November 16.
- **Crabtree, Stefani A.** Understanding Vulnerability and Resilience Through Archaeological Foodwebs. Paper in symposium at Conference on Complex Systems '15. Phoenix, AZ., September 28.
- **Crabtree, Stefani A.,** Simon DeDeo. How Human Perception of the Environment Influences the Abandonment Process. Paper in Ignite at Conference on Complex Systems '15. Phoenix, AZ., September 28.
- **Crabtree, Stefani A.,** R. Kyle Bocinsky, Timothy A. Kohler. Hierarchy and Tribute Flow in the American Southwest. Paper in symposium at 80th Annual Society for American Archaeology Meetings. San Francisco, CA, April 16.
- 2015 Kohler, Timothy A., R. Kyle Bocinsky, **Stefani A. Crabtree.** The Effects of Temporal Coarse Graining on Inferred Patterns of Human Movement. Paper in symposium at 80th Annual Society for American Archaeology Meetings. San Francisco, CA, April 18.
- **Crabtree, Stefani A.,** R. Kyle Bocinsky, Timothy A. Kohler. Modeling Emergency of Complex Groups on Realistic Landscapes. Principles of Complexity: Life, Scales, and Civilization III, August 2014. Santa Fe Institute, Santa Fe, NM, August 25.
- **Crabtree, Stefani A.,** Nathan T. Crabtree and Lydia Smith. Food Webs in the Ancestral Pueblo Southwest. Global Human Ecodynamics Alliance Modeling. Working Group, Santa Fe Institute, Santa Fe, NM, May 30.
- Kohler, Timothy A., **Stefani A. Crabtree,** R. Kyle Bocinsky. Emergence of Leadership in Pueblo Societies: Evolutionary Public Goods Games and Corporate Group Conflict in Agent-Based Models. Global Human Ecodynamics Alliance Modeling. Working Group, Santa Fe Institute, Santa Fe, NM, May 31.
- **Crabtree, Stefani A.,** Timothy A. Kohler and R. Kyle Bocinsky. The Development of Social Groups, Leadership and Inequality in the Central Mesa

- Verde. Paper in symposium at 79th Annual Society for American Archaeology Meetings. Austin, TX, April 26.
- Timothy A. Kohler, Kelsey Reese, **Stefani A. Crabtree**, and R. Kyle Bocinsky. Prolegomenon: VEP II, Almost in Retrospect. Paper in symposium at 79th Annual Society for American Archaeology Meetings. Austin, TX, April 26.
- 2014 **Crabtree, Stefani.** Modélisation multi-agent d'un réseau d'échanges. TransMonDyn. Lyon, France, January 19.
- 2013 Kohler, Tim A., R. Kyle Bocinsky, **Stefani A. Crabtree**, Andrew Hlynka, Lokesh Patil, Paul Lovell Hooper, Ziad Kobti. Leadership, Territoriality and Conflict in an Agentized Pueblo World in Complex-Systems Approaches to Long-Term Change. Paper in symposium at 112th Annual American Anthropological Association. Chicago, IL, November 21.
- 2013 **Crabtree, Stefani**. Interactions des spheres culturelles étrusques, grecques et gauloises entre l'âge du bronze et l'âge du fer dans le sud de la France: modélisation multi-agent d'un réseau d'échanges. Journée des doctorants en archéologie de l'Université de Franche-Comté. Besançon, France, November 10.
- Crabtree, Stefani, Julia K. Clark. Ger Grouper: Examining Social Interactions to a Volatile Environment in Northern Mongolia, Paper in symposium at Complex Systems in Prehistoric Research Satellite Workshop. European Conference on Complex Systems, ECCS'13. Barcelona, Spain, September 19.
- 2013 **Crabtree, Stefani**. Exchange, Alliances and Aggregation in the Village Ecodynamics Project. Presented at the 2013 Village Ecodynamics Project Presentation and Discussion of Preliminary Results. Crow Canyon, Cortez, CO, July 29.
- 2013 Kohler, Tim, **Stefani Crabtree**, Michael Berry. The Secrets of the Southwest Solved by Walkative Tree Rings. Paper in symposium at 78th Annual Society for American Archaeology Meetings. Honolulu, HI, April 4.
- 2012 **Crabtree, Stefani** *Invited Presenter*. Studying Archaeological Foodwebs in Ancestral Puebloan Society. Paper in symposium at CUNY Human Ecodynamics Research Center 2012 Open Workshop in Sustainability Science and Education. New York, NY, October 15.
- 2012 **Crabtree, Stefani**. Exchange, Alliances and Aggregation on the Colorado Plateau. 77th Annual Society for American Archaeology Meetings. Memphis, TN, April 22.
- 2011 Donna Glowacki, Timothy Kohler, Kay Barnett, R. Kyle Bocinsky, **Stefani Crabtree**, Kelsey Reese, Elise Alonzi, and Andrew Steier. Large Villages in Upper

- Soda Canyon: an update on VEP field work." 2011 Pecos Conference, Arizona. August 7.
- 2011 **Crabtree, Stefani**, Denton Cockburn, Ziad Kobti, Timothy A. Kohler. Archaeology Time Machine: Witnessing Social Interactions on the Pueblo Landscape through Agent-based Simulation. Paper in symposium at 76th Annual Meeting Society for American Archaeology. Sacramento, CA. April 3.
- Kohler, Timothy A., R. Kyle Bocinsky, **Stefani Crabtree**, and Denton Cockburn. The Village Ecodynamics Project: Modeling the Deep Pueblo Past. Paper in Symposium Modeling Across Millennia: Interdisciplinary Paths to Ancient Socionatural Systems. Paper in symposium at 177th AAAS Annual Meeting, Washington, D.C. February 20.
- 2010 **Crabtree, Stefani**, Timothy Kohler. Alliance Formation and Breakdown: Networks in the Village Ecodynamics Project. 109th Annual Meeting of the American Anthropological Association. New Orleans, LA. November 19.
- 2010 **Crabtree, Stefani**, Timothy Kohler, R. Kyle Bocinsky, Ben Ford. Modeling or Simulation? Assessing settlement patterns—real and modeled—in the VEP World. Paper in symposium at 75th Annual Meeting Society for American Archaeology, St. Louis, MO. April 15.

Posters

- Harris, Kathryn, **Stefani A. Crabtree** and William Andrefsky. The Multifunctional Lives of Points and Flakes. 79th Annual Society for American Archaeology Meetings. Austin, TX, April 25.
- 2013 **Crabtree, Stefani.** Constructing Communities: Examining Household Aggregation in the American Southwest. 78th Annual Society for American Archaeology Meetings. Honolulu, HI, April 6.
- 2013 Harris, Kathryn, **Stefani Crabtree.** A Neutral Model of Stone Raw Material Procurement.. 78th Annual Society for American Archaeology Meetings. Honolulu, HI, April 5.
- 2012 Reese, Kelsey M., R. Kyle Bocinsky, Kay E. Barnett, **Stefani A. Crabtree**, Elise E. Alonzi, Andrew R. Steier, Donna M. Glowacki, Timothy A. Kohler. Large, Aggregated Villages in Little Soda Canyon. 77th Annual Society for American Archaeology Meetings. Memphis, TN, April 21.
- 2012 **Crabtree, Stefani,** Lydia Smith, Timothy A. Kohler. "Trophic Interconnecdedness in Southwestern Colorado: Studying Archaeological Food Webs in Ancestral Puebloan Society." 64th annual American Association for the Advancement of Science. Vancouver, BC. February 18. *See also awards*.

2011 **Crabtree, Stefani.** "There is No Such Thing as a Free Lunch: Costly Exchange in the Village Ecodynamics Project: A Network Analysis." 64th annual Northwest Anthropological Conference. Moscow, ID. April 22.

CAMPUS AND DEPARTMENTAL TALKS

- 2014 **Stefani Crabtree**. "Introduction to Mongolian Archaeology." Guest lecturer in *Origins of Culture and Civilization*. November 2014.
- 2012 **Stefani Crabtree** and Kathryn Harris. "The Targan Nuur Archaeology Project in Mongolia." *Anthropology Brown Bag Colloquium*. November 13th, 2012.
- 2010 Lipe, William, **Stefani Crabtree**, Charles Reed, Patrick Dolan. "Sandpiles and Settlement Shifts in the American Southwest." WSU Academic Showcase. March 26, 2010.

Pre 2010

- 2004 **Stefani Crabtree** "Commencer" Graduation class speaker; Scripps College. May 2004.
- 2004 **Stefani Crabtree** "La Déesse de l'abondance." Mary W. Johnson conference. April 2004.
- 2003 **Stefani Crabtree** "Archaeology of Rom, France" Tuesday Noon Academy, Scripps College. September 2003.

ARCHAEOLOGICAL AND ETHNOGRAPHIC FIELD EXPERIENCE

United States: Southwest (Mesa Verde National Park), Rocky Mountain West (Colorado, Wyoming), Great Plains (North Dakota, South Dakota, Eastern Montana, Wyoming), Great Basin (Eastern Oregon, Eastern Washington)

Foreign: Mongolia, France, New Zealand, Samoa, India, Vietnam

UNDERGRADUATE STUDENT MENTORING

- 2016 Morgan Dock, Washington State University. Evidence for Blood in Paleolithic Cave Paintings.
- 2015 Colin Christiansen, Washington State University. Processes of Depopulation in Lattes, France: A study using ArcGIS.

2014 Carolyn Wason, Eastern University. Changing Pastoral Economies in Northern Mongolia: An ethnographic study from the Targan Nuur Archaeology Project.

UNIVERSITY SERVICE

2015	Organizer: Anthropology departmental colloquia, Washington State University.
2014	Organizer: TranMonDyn visit of twelve French researchers to WSU.
2013	Organizer: Washington State University "Common Table: Black History Month" with Thomas Norman De Wolf and Sharon Leslie Morgan, authors of <u>Gather at the Table</u> .
2012	Anthropology Graduate Organization Scholar committee chair, 2012-2013.
2010	Archaeology Student Representative to Faculty, 2010-2011.

LANGUAGES

English: Native

French: Fluent (speaking, reading and writing)

Spanish, Italian, Vietnamese: Speaking and reading knowledge

COMPUTER SKILLS

Languages: Java, R, NetLogo

Applications: ArcGIS, Adobe Illustrator, Photoshop

Statistical Packages: R, Stata

Modeling Frameworks: RePAST (Java), NetLogo

Operating Systems: Mac OS X, Windows

PROFESSIONAL MEMBERSHIPS

Society for American Archaeology 2009-present American Association for the Advancement of Science 2009-present American Anthropological Association 2009-present Arizona Archaeological and Historical Society 2011-present

PROFESSIONAL REFERENCES

Timothy A. Kohler, Regents Professor Department of Anthropology, Washington State University PO Box 644910, College Hall Pullman WA 99164-4910; (509) 335-2698 tako@wsu.edu

Jennifer Dunne The Santa Fe Institute 1399 Hyde Park Rd. Santa Fe, NM 87501 (505)984-8800 jdunne@santafe.edu

Andrew I. Duff, Anthropology Department Chair Department of Anthropology, Washington State University PO Box 644910, College Hall Pullman WA 99164-4910 (509) 335-7828 duff@wsu.edu

Scott G. Ortman University of Colorado, Boulder Department of Anthropology 1350 Pleasant St. Hale Science 350 Boulder, CO 80309-0233 (Phone) 303.492.2547 Scott.Ortman@colorado.edu

Laure Nuninger, Chargée de recherche, 1ère classe au CNRS Université de Franche-Comté
Maison des Sciences de l'Homme et l'Environnement,
32 Rue Megévand,
25030 Besançon Cedex, France,
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laure.nuninger@univ-fcomte.fr

Mark Varien, Executive Vice President Crow Canyon Research Institute 23390 Road K Cortez, CO 81321 (970) 565-8975 mvarien@crowcanyon.org