

Marc Kissel
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EDUCATION

Ph.D. University of Wisconsin-Madison. 2014 Dissertation title: *Culture-Genetic Models of Information Exchange amongst Pleistocene Humans: Integrating Genetic, Skeletal and Archaeological Data*. Dissertation director: John Hawks

M.S. Anthropology, University of Wisconsin-Madison 2005

B.A. Anthropology, New York University, 2002

PROFESSIONAL APPOINTMENTS

Postdoctoral Researcher at the University of Notre Dame, 2014-Current. Director: Agustin Fuentes

Lecturer in Anthropology at University of Wisconsin-Fox Valley, 2011-2014

PUBLICATIONS

Books

2017 Kissel, M. and Kim, N. *Warfare in our Evolutionary Past*. To be published Fall 2017 by Routledge.

Refereed Articles

In press. Kissel, M. Can biological anthropologists talk about wisdom? The role of symbolic thought in human evolution. In *The Evolution of Human Wisdom*. Lexington Press

In press. Kissel, M. and Fuentes, A. A Database of Archaeological Evidence for Representational Behavior. Accepted at *Evolutionary Anthropology*

In press. Fuentes, A.; Kissel, M; Oka, Rahul; Sheridan, Susan; Piscitelli, Matthew. The

CLASH model lacks evolutionary and archeological support. *Behavioral and Brain Sciences*

2017 Kissel, M. and Fuentes, A. Semiosis in the Pleistocene. *Cambridge Archaeological Journal*. doi:10.1017/S0959774317000014

2016. Kissel, M. and Fuentes, A. From hominid to human: the role of human wisdom and distinctiveness in the evolution of modern humans. *Philosophy, Theology and the Sciences* 3:217-244

2016. Fuentes, A. and Kissel M. Human evolutionary history and contemporary evolutionary theory provide insight when assessing Cultural Group Selection. *Behavioral and Brain Sciences* 39:25-26 (doi:10.1017/S0140525X15000102, e37)

2015 Kissel, M. and Hawks, J. What are the Lothagam and Tabarin mandibles? *PaleoAnthropology* 2015:37-43.

Manuscripts in Review

Oka, R.; Kissel, M.; Golitko, M.; Kim, N; Fuentes, A; Sheridan, S. Population as the main driver of armed group size and conflict casualties. In review at *PNAS*

Manuscripts in Preparation

Kissel, M; Piscitelli, M.; The Bodies Database: Introducing an open-access database for the skeletal record to test the origins of coalitional violence.

Kissel, M. Testing models of selection vs. drift in the human fossil record.

Kissel, M. and Roseman, C. The Random Skewers Method of matrix comparison. An update to the EvoQG R package.

Non-peer reviewed publications

2016 “World Prehistory” Entry in The World Almanac 2017

AWARDS AND HONORS

2014 “Meritorious” teaching rank at UW-Fox Valley

2013 Best Student paper award from the Biological Anthropology Section of the American Anthropological Association

2012 Rank of “Meritorious” by UW-Fox Valley Evaluation Committee and UW-Colleges

Anthropology Department;

Nominated for “Teacher of the Year” by UW-Fox students

2009 “Honored Instructor” by the students of University Housing at University of Wisconsin-Madison

RESEARCH GRANTS

2014 Pollitzer Travel Award, American Association of Physical anthropologists
Paleoanthropology Society Grant
Vilas Award Grant
2013 Vilas Award
Professional Development grant, University of Wisconsin-Fox Valley
2013 Pollitzer Travel Award,
Professional Development grant, University of Wisconsin-Fox Valley
2010 Travel Grant, University of Wisconsin-Madison
2008 Paleoanthropology Society Grant

INVITED TALKS

2017: HAI Advanced Symposium: Humility, Wisdom, and Grace in Deep Time: A Conversation between Theology and Evolutionary Anthropology on symbolic thought, Stellenbosch, South Africa
2015: “What does it mean to be human-How can we use paleoanthropological data to better understand the origins of modern human behavior?” Durham University, UK
2014: “Neandertals and their contemporaries” Invited lecture for Loyola University
2013: “Who were the Neandertals?” Invited lecture for the University of Wisconsin-Oshkosh
2013: “Assessing the role of drift and selection in Neandertals.” Colorado State University

CONFERENCE ACTIVITY AND PRESENTATIONS

Papers Presented

2017 Kissel, M. Invited talk for “Humility, Wisdom, and Grace in Deep Time: A Conversation between Theology and Evolutionary Anthropology” symposium in Stellenbosch, South Africa

Kissel, M. Semiosis on the Pleistocene Scene. Invited talk for Southeastern Evolutionary Perspectives Society. Tuscaloosa, AL

Kissel, M. "How do Paleoanthropologists use culture history?" Invited talk for the 86th meeting of the Society for American Archaeology. Vancouver, BC.

- 2016 Kissel, M. The role of symbolic thought in human evolution. The Evolution of Human Wisdom Conference. Durham, U.K.

Kissel, M and Fuentes, A. Niche expansion and the process of becoming human: using the Extended Evolutionary Synthesis to model the origins of modern human behavior. 85th Annual Meeting of the American Association of Physical Anthropology. Atlanta, GA

- 2015 Kissel, M. The role of symbolic thought in human origins. Calpe Conference at the University of Gibraltar, Gibraltar

Kissel, M. Hominins and humans: the process of becoming human. 5th Annual Meeting of the European Society for the Study of Human Evolution. London, UK.

Kissel, M. Paleoanthropological approaches to the study of modern human behavior. Evolution of Human Wisdom working group. Notre Dame, IN

Kissel, M. What does it mean to be human? Theoretical Archaeology Group. New York, NY

Kissel, M and Fuentes, A. The evolution of the human niche: assessing and describing the development of complex decision-making in the Pleistocene through an open-access, comparative database. 84th Annual Meeting of the American Association of Physical Anthropology. St. Louis, MO

- 2014 Kissel, M. Unmuddying the Infamous "Muddle in the Middle." 113th Annual Meeting of the American Anthropological Association. Chicago, IL

Piscitelli, M. and Kissel, M. Evidence of Interpersonal Violence in Pleistocene Populations: Introducing a New Skeletal Database of Modern Humans to Test Theories on the Origins of Warfare. 80th Annual Meeting of the Society for American Archaeology. Austin, Tx

Kissel, M. Explaining the effective size of modern humans: integrating genetic, skeletal and archaeological data. Annual meeting of the Paleoanthropology Society Annual Meeting, Calgary, Canada

2013. Kissel M. Testing Genetic Models of Human Evolutionary History against the Anthropological Record. 112th Annual Meeting of the American Anthropological Association. Chicago, IL

Kissel, M. and Hawks, J. Culture-Genetic models of information exchange among

Pleistocene human populations. 83rd Annual Meeting of the American Association of Physical Anthropology. Knoxville, TN

- 2012. Kissel, M. and Hawks, J. Evaluating genetic models of human evolution through archaeological data: An information theory approach 79th Annual Meeting of the Society for American Archaeology Annual Meeting. Memphis, TN
- 2011 Testing Selection and Drift in Neandertal populations. 82nd Annual Meeting of the American Association of Physical Anthropology meetings in Minneapolis, MN

Kissel, M. and Hawks, J. Lithic technologies and information transfer among early human groups in the Middle Pleistocene. Annual meeting of the Paleoanthropology Society Annual Meeting. Minneapolis, MN
- 2011 Kissel, M. *Homo helmei* and the Mode Three Hypothesis. 78th Annual Meeting of the Society for American Archaeology Annual Meeting. San Francisco, CA
- 2010. Kissel, M. Statistical analysis demonstrating the species distinctions of the Lothagam and Tabarin mandibles. 81st Annual Meeting of the American Association of Physical Anthropology

CAMPUS AND DEPARTMENTAL TALKS

- 2015 “Paleoanthropology and the Current Status of the Hominin and Human Fossil Record” Human Distinctiveness Summer Seminar, Notre Dame
- 2014 “Everything you wanted to know about Neandertals but were afraid to ask” University of Wisconsin-Madison

“Genetic and archaeological models for Middle Pleistocene speciation.” University of Wisconsin-Madison Archaeology Brown Bag

“What can biological anthropology tell us about the nature of human aggression?” Invited lecture for *The Archaeology of Violence*,
- 2012 “Archaeology of the Middle Ages.” Invited lecture for *France and the Middle Ages*. UW-Fox Valley.
- 2011 “Evolution of the genus *Homo*” University of Wisconsin-Madison

TEACHING EXPERIENCE

- 2016: University of Notre Dame

Human Evolution: Violence and Virtues
 Fundamentals of Biological Anthropology
 Learning R for Statistical Computing

2011-2014: UW-Fox Valley

Introduction to Physical Anthropology
 Introduction to World Prehistory
 Archaeology of North America
 Archaeology of Wisconsin
 Human Skeletal Anatomy

2014: Lakeland College

Introduction to Anthropology

2013: Ripon College

Human Origins

2004-2010: UW-Madison

Instructor: Principles of Biological Anthropology
 Teaching Assistant: Introduction to Anthropology, Principles of Biological Anthropology, Principles of Archaeology

Archaeological Field Work

2009-2014: Wisconsin. Archaeological work throughout the state working as a project manager for 2 CRM firms.

2008 Vogelherd Cave, Germany.

2004 Jonzac, France.

2003 Cueva Negra, Spain.

2001 Walpack, New Jersey.

SKILLS/EXPERTISE

Faunal analysis; human osteology; computer programming in R, Python, and SQL; multivariate statistical analysis; history of anthropology; hunter-gatherers; population genetic; social network analysis.

PEER REVIEW

Quaternary International

American Anthropologist

DEPARMENTAL AND PROFESSIONAL SERVICE

Member at Large, Biological Anthropology Section of the American Anthropological Association (2016-2018)

Curriculum Committee, University of Wisconsin Colleges (2013-2015)

Student Accessibility Service Advisory Committee, University of Wisconsin Colleges (2013-2015)

Professional Development Committee for the University of Wisconsin Colleges Anthropology department (2012-2015)

OUTREACH

March Mammals Madness 2017

- Help to write narratives and outreach for simulated event that helps to spread scientific knowledge and awareness for animal conservation.

BioAnthropology News Facebook Administrator

- Administrator for Facebook group with over 15,500 members

“Darwin Day” Coordinator University of Wisconsin (2008-2014)

- Outreach event for popularizing evolutionary sciences

“College for Kids”

- Students entering the 6th grade were exposed to archaeology and biological anthropology. Topics included examining the human skeleton, studying the early hominids, and learning how to make stone tools.

PROFESSIONAL ASSOCIATION MEMBERSHIPS

2013-present: American Anthropological Association

2012-present: Certified Burial Specialist for the State of Wisconsin

2010-present: American Association of Physical Anthropologists

2007-present: Society for American Anthropology,

2007-present: Paleoanthropology Society

REFERENCES

Agustin Fuentes, Professor of Anthropology at University of Notre Dame

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John Hawks, Professor of Anthropology at UW-Madison

Office: 5321 Sewell Social Science Hall, 1180 Observatory Dr., University of Wisconsin, Madison, WI 53706

Office phone: (608) 262-8726

Email address: jhawks@wisc.edu

Nam Kim, Associate Professor of Anthropology at UW-Madison,

Office: 5438 Sewell Social Science Bldg, 1180 Observatory Dr., University of Wisconsin, Madison, WI 53706

Office phone: (608) 262-2187

Email address: nckim@wisc.edu

Renée M. Gralewicz, Professor of Anthropology at UW-Fox Valley.

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