

Sang-Hee Lee

Associate Professor and Chair
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EDUCATION

Ph.D. in Anthropology, University of Michigan, Ann Arbor, Michigan (1999)

Thesis: *Evolution of Human Sexual Dimorphism: Using Assigned Resampling Method to Estimate Sexual Dimorphism When Individual Sex is Unknown* (Chair: Milford H. Wolpoff)

M.A. in Anthropology, University of Michigan, Ann Arbor, Michigan (1993)

B.A. in Archaeology, Seoul National University, Korea (1989)

Thesis: *Mineral Analysis of Korean Prehistoric Potsherds Using SEM (Scanning Electron Microscopy) and XRD (X-Ray Diffraction) Methods* (Advisor: Mong-ryong Choi)

APPOINTMENTS

Associate Professor, Department of Anthropology, University of California at Riverside (July 2007-current)

- Department Chair (July 2012-current)
- Cooperating Faculty Member, Evolution, Ecology, and Organismal Biology Program, Department of Biology, University of California at Riverside (February 2009-current)
- Member, SDSU/UCR Joint Doctoral Program in Evolutionary Biology (October 2010-current)

Assistant Professor, Department of Anthropology, University of California at Riverside (September 2001-June 2007)

Assistant Professor, Department of Anthropology, Indiana University of Pennsylvania (August 2000-August 2001)

Research Associate, Department of Biosystems Science, Graduate University for Advanced Studies, Hayama, Kanagawa 240-0193, Japan (Supervisor, Naoyuki Takahata, Professor and Dean) (April 1999-August 2000)

SELECT PUBLICATIONS

Articles (2000-2013: 30)

(2013) Lee S-H. Patterns of human evolution in northeast Asia. *Journal of the Hoseo Archaeological Society* (Hoseo Gogohak) 29:4-31. Translated into Korean by Ko I-H, (2013).

(2012) Wolpoff MH, Lee S-H. The African origin of recent humanity. In: *African Genesis: Perspectives on Hominid Evolution*. Reynolds SC, Gallagher A, editors. Cambridge, UK: Cambridge University Press. Pp. 347-364.

(2011) Lee S-H. Effect of sample size in STET, a method to test conspecificity for pairs of unknown species. *PaleoAnthropology* 2011:260-267.

(2011) Zhu Q, Wang X, Keogh E, Lee S-H. An efficient and effective similarity measure to enable data mining of petroglyphs. *Data Mining and Knowledge Discovery* 23(1):91-127.

- (2010) Lee S-H. Human longevity and world population. In: *21st Century Anthropology: A Reference Handbook*. H. James Birx, editor. Thousand Oaks, CA: Sage. Pp. 970-976.
- (2009) Keogh E, Wei L, Xi X, Vlachos M, Lee S-H, Protopapas P. Supporting exact indexing of shapes under rotation invariance with arbitrary representations and distance measures. *The VLDB Journal* 18(3):611-630.
- (2007) Lee S-H. Hominid evolution: new research trends in paleoanthropology. *Journal of the Korean Archaeological Society* 64:122-171. (In Korean, with English Abstract)
- (2006) Caspari R, Lee S-H. Is human longevity a consequence of cultural change or modern biology? *American Journal of Physical Anthropology* 129(4):512-517.
- (2006) Lee S-H. Patterns of dental sexual dimorphism in Krapina and Předmostí: a new approach. *Periodicum Biologorum* 108(4):417-424.
- (2005) Lee S-H. Is variation in cranial capacity of the Dmanisi sample too high to be from one species? *American Journal of Physical Anthropology* 127(3):263-266.
- (2005) Lee S-H. Patterns of size sexual dimorphism in *Australopithecus afarensis*: Another look. *Homo-Journal of Comparative Human Biology* 56(3):219-232.
- (2004) Caspari RE, Lee S-H. Older age becomes common late in human evolution. *Proceedings of the National Academy of Sciences of the United States of America* 101(30):10895-10900.
- (2003) Lee S-H, Wolpoff MH. The pattern of Pleistocene human brain size evolution. *Paleobiology* 29(2):186-196.
- (2002) Ahern JCM, Lee S-H, Hawks JD. The Late Neandertal supraorbital fossils from Vindija Cave, Croatia: a biased sample? *Journal of Human Evolution* 43(3):419-432.
- (2001) Wolpoff MH, Lee S-H. The Late Pleistocene human species of Israel. *Bulletins et Memoires de la Societé d'Anthropologie de Paris* 13(3/4):291-310.
- (2001) Takahata N, Lee S-H, Satta Y. Testing multiregionality of modern human origins. *Molecular Biology and Evolution* 18(2):172-183.
- (2000) Hawks J, Hunley K, Lee S-H, Wolpoff MH. Population bottlenecks and Pleistocene human evolution. *Molecular Biology and Evolution* 17(1):2-22.

FELLOWSHIPS AND GRANTS

- National Research Foundation of Korea (2015) "Sociality of Funerary Remains: Collaborative Research of Physical Anthropology, and Quantitative and Spatial Archaeology with Reference to Prehisotric and Ancient Mortuary Practice of Korea" \$27,000 (co-PI)
- Resident Fellowship, Center for Ideas and Society, University of California at Riverside (2012) "Beyond Biology: Evolution of Culture, Politics, and Religion"
- Information and Intelligent Systems, NSF #0803410 (2008-2011) "Tools to Mine and Index Trajectories of Physical Artifacts" \$805,000 (co-PI)
- Interdisciplinary Teams and Networks, University of California at Riverside (2007) "Data Mining in Native American Artifact Data Collections" \$9,751 (co-PI)

Grants-in-Aid of Research, Sigma Xi (1997)

SELECTED PRESENTATIONS AT PROFESSIONAL MEETINGS

International (1998-2013: 5)

- (2013) Patterns of human evolution in northeast Asia. International Symposium in Commemoration of the 90th Anniversary of the Discovery of the Shuidonggou. Yinchuan, China.
- (2009) Origin of modern humans in Northeast Asia. International Symposium on Paleoanthropology in Commemoration of the 80th Anniversary of the Discovery of the First Skull of Peking Man and the First Asian Conference on Quaternary Research. Beijing, China.
- (2000) Testing the multiregionality of modern human origins (with Y Satta and N Takahata). Germany-Japan Seminar in Methods of Reconstructing Evolutionary History of Genes, Mishima, Japan.
- (1999) Constructing a database of human nucleotide diversity and a demographic model of the Multiregional hypothesis on modern human origins (with N Takahata). Annual Meeting of the Genetics Society of Japan, Hiroshima, Japan.

US and Canada (1993-2013: 33)

- (2013) Salkhit and Human Evolution in Northeast Asia (with S Yi and D Tseveendorj). Society for American Archaeology Meeting, Honolulu, Hawaii.
- (2012) Clovis tools or Clovis people? A new approach using time-series conversion and dynamic time warping (with JW Cade, E Keogh, and TT Rampley). American Association of Physical Anthropologists Meeting, Portland, Oregon.
- (2011) Patterns of sexual dimorphism in *Gigantopithecus blacki* dentition (with J Cade and Y Zhang). American Association of Physical Anthropologists Meeting, Minneapolis, Minnesota.
- (2010) Implications of reduced mortality risk for late Pleistocene humans (with R Caspari and A van Arsdale). American Association of Physical Anthropologists Meeting, Albuquerque, New Mexico.
- (2009) Variation in life history variables. American Association for the Advancement of Science Annual Meeting, Chicago, Illinois.
- (2006) A new approach to dental sexual dimorphism in the Krapina Neandertals. American Association of Physical Anthropologists Meeting, Anchorage, Alaska.
- (2005) Is the Vindija late Neandertal mandibular sample biased? (with M Kesterke, JCM Ahern, and JD Hawks) American Association of Physical Anthropologists Meeting, Milwaukee, Wisconsin.
- (2004) Where in time are old hominids? (with R Caspari) American Anthropological Association Meeting, Atlanta, Georgia.
- (2004) Sexual dimorphism in the Hadar *A. afarensis* sample: Another look. American Association of Physical Anthropologists Meeting, Tampa, Florida.
- (2003) Is the variation in cranial capacity of the Dmanisi sample too high to be from one species? Paleoanthropology Society Meeting, Tempe, Arizona.

- (2003) Is old age really old? An analysis of longevity in the hominid fossil record (with R Caspari).
Paleoanthropology Society Meeting, Tempe, Arizona.
- (2002) Evolutionary patterns in Pleistocene human brain size (with MH Wolpoff). American Association of Physical Anthropologists Meeting, Buffalo, New York.
- (2001) Patterns of skeletal sexual dimorphism in human, chimpanzee, and gorilla. Paleoanthropology Society Meeting, Kansas City, Missouri.
- (1998) Evolutionary Trends in sexual dimorphism of cranial capacity in Pleistocene *Homo*. Paleoanthropology Society Meeting, Seattle, Washington.
- (1995) Variability in *Australopithecus afarensis*: Does sexual dimorphism explain the humeral variability in *Australopithecus afarensis*? American Association of Physical Anthropologists Meeting, Oakland, California.
- (1994) Patterns of evolution in *Homo erectus* cranial capacity. American Association of Physical Anthropologists Meeting, Denver, Colorado.
- (1993) Evolutionary trends in *Homo erectus* cranial capacity. Paleoanthropology Society Meeting, Toronto, Canada.

PROFESSIONAL SERVICE

- Student Award Committee, Annual Meeting of the American Association of Physical Anthropologists (2004, 2005, 2006)
- Chair, Symposium on Sexual Dimorphism, Annual Meeting of the American Association of Physical Anthropologists (2005)
- Member, Program Committee, Annual Meeting of the American Association of Physical Anthropologists (2011, 2012, 2014)

ASSOCIATION MEMBERSHIPS

- American Association of Physical Anthropologists (1990-), *life-time member*
- Paleoanthropology Society (1992-)
- American Anthropological Association (1997-), *life-time member*
- Sigma Xi, The Scientific Research Society (2002-)
- American Association for the Advancement of Science (2008-)
- European Society for the Study of Human Evolution (2012-)
- Paleopathology Association (1992-)
- Society for American Archaeology (2012-)
- Korean Archaeological Society 한국고고학회 (2013-)
- International Union of Anthropological and Ethnological Sciences (2013-)