

## LYLE W. KONIGSBERG

### CURRICULUM VITAE

#### **Work Address:**

Department of Anthropology  
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#### **Education:**

Postdoctoral Scientist in Genetics, Southwest Foundation for Biomedical Research, San Antonio, Texas, September 1988-August 1990.

Ph.D. in Anthropology, Northwestern University, Evanston, Illinois, June 1987.

M.A. in Anthropology, Northwestern University, Evanston, Illinois, June 1981.

B.A. in Anthropology and Biology, Indiana University, Bloomington, Indiana, May 1980.

#### **Professional Positions Held:**

Professor, Department of Anthropology, University of Illinois, Urbana, IL, August 2007 – present.

Professor, Carle Illinois College of Medicine, December 2019 – August 2023

Professor, Department of Anthropology, University of Tennessee, Knoxville, TN, August 2000 – August 2007.

Associate Professor, Department of Anthropology, University of Tennessee, Knoxville, TN, August 1995 – August 2000.

Assistant Professor, Department of Anthropology, University of Tennessee, Knoxville, TN, August 1990 – August 1995.

Postdoctoral Scientist, Department of Genetics, Southwest Foundation for Biomedical Research, San Antonio, Texas, September 1988-August 1990.

Postdoctoral position, Department of Anthropology, Northwestern University, Evanston, IL, September 1987- August 1988.

#### **Service to the Discipline:**

Editor-in-Chief, *Yearbook of Biological Anthropology* (2019-2023).

Board Member, FBI Scientific Working Group for Disaster Victim Identification (2010-2014).

Secretary-Treasurer, American Association of Physical Anthropologists (2009-2013).

Vice President, American Association of Physical Anthropologists (2004-2006).

Book Review Editor, *American Journal of Physical Anthropology* (1998-2002).

Program Committee for the Annual Meeting of the American Association of Physical Anthropologists (1998, 1999, 2000, and 2003 meetings).

Student Prize Committee of the American Association of Physical Anthropologists (1999, 2000, 2001 and 2002 meetings).  
Associate Editor, *American Journal of Physical Anthropology* (1992-1996, 2004-2008, 2008 - 2009).

### **Grants and Awards:**

National Science Foundation, Biological Anthropology Program. Project Title: Doctoral Dissertation Research: The conditional independence assumption in juvenile dental age estimation. Co-PI, Valerie Sgheiza. April 2022 – April 2023 (\$4,354).

Elected AAAS Fellow, 2021

National Science Foundation, Biological Anthropology Program. Project Title: Doctoral Dissertation Research: Multivariate asymmetry and allometry in skeletal elements for osteometric sorting. Co-PI, Amanda B. Lee. August 2018 – August 2019 (\$6,828).

National Science Foundation, Physical Anthropology Program. Project Title: Doctoral Dissertation Improvement: If and how many "races"? The application of mixture modeling to world-wide craniometric variation. Co-PI, Bridgett Algee-Hewitt. August 2008 – September 2009 (\$12,974).

Science Alliance Award, University of Tennessee. November 1999 (\$5,000).

National Science Foundation, Physical Anthropology Program. Project Title: Maximum likelihood and Bayesian estimation of age-at-death from human skeletal morphology. February 1998 – February 1999 (\$23,327 total costs).

Professional Development Award, University of Tennessee, Knoxville, TN. Project Title: Professional leave to develop a repertoire in molecular genetic techniques. March 1996 - June 1997 (\$5,200 direct costs) (Fall semester leave to Pennsylvania State University).

Faculty Research Award, University of Tennessee, Knoxville, TN. Project Title: Sequence analysis of prehistoric human mtDNA from the Toqua Site, Tennessee. March 1994 - June 1995 (\$4,500 direct costs).

Science Alliance Award, University of Tennessee. November 1994 (\$5,000).

National Science Foundation, Systematic Collections Program. Project Title: Improving conditions for preservation of the human osteological collection. August 1993 - August 1994 (\$59,407 total costs).

National Science Foundation, Systematic Collections Program. Project Title: Conservation assessment for the human osteological collection. December 1991 - October 1992 (\$4,011 total costs).

Faculty Research Award, University of Tennessee, Knoxville, TN. Project Title: Bone density in pedigreed baboons as a model for human osteoporosis. March 1991 - June 1992 (\$5,000 direct costs).

National Institutes of Health, Biomedical Research Support Grant. Project Title: Genetic analysis of bone mineral content in the baboon. June 1989 - May 1990 (\$14,998 direct costs).

## Doctoral dissertations directed:

20. Valerie Sgheiza (2023): *The conditional independence assumption in dental developmental age estimation*. [Forensic Anthropologist, Central Identification Laboratory, Department of Defense POW/MIA Accounting Agency]
19. Matthew C. Go (2020): *Sex and ancestry estimation methods in modern Filipino crania (Mga paraang pagsusuri ng kasarian at lahi mula sa bungo ng mga kasalukuyang Pilipino)*. [Forensic Anthropologist, Central Identification Laboratory, Department of Defense POW/MIA Accounting Agency]
18. Amanda B. Lee (2019): *Multivariate asymmetry and allometry in human limb bones as a basis for osteometric sorting*. [Data Scientist at Jellyfish (<https://www.jellyfish.com/en-us/>)]
17. Natalie M. Uhl (2014): *Using multivariate calibration to evaluate hominin brain/body size relationships*.
16. Rebecca Taylor (2013): *Paleodemography of the Larson Site (39WW2) Cemetery: How Age-at-Death Methods Influence Model Estimation*. [Forensic Anthropologist, Central Identification Laboratory, Department of Defense POW/MIA Accounting Agency]
15. Christine M. Pink (2013): *Striking out and digging in: A bioarchaeological perspective on the impacts of the Wari expansion on populations in the Peruvian central highlands*. [Assistant Professor, Department of Pathology, Western Michigan University Homer Stryker M.D. School of Medicine, Kalamazoo, MI]
14. Jonathan D. Bethard (2013): *The bioarchaeology of Inka resettlement practices: insight from biological distance analysis*. [Associate Professor, Department of Anthropology, University of Southern Florida, Tampa, FL]
13. Bridget Algee-Hewitt (2011): *If and How Many "Races"? The Application of Mixture Modeling to World-Wide Craniometric Variation*. [Senior Associate Director of the Institute, Center for Comparative Studies in Race and Ethnicity, School of Humanities and Sciences, Stanford University, Stanford, CA]
12. Kanya M. Godde Chrisco (2009): *Population Structure of Lower Nubia in the Mesolithic-Christian Groups*. [Co-Director, The Social Determinants of Health and Health Disparities Lab, University of La Verne, La Verne, CA]
11. Megan K. Moore (2008): *Body Mass Estimation from the Human Skeleton*. [Associate Dean of the Honors College and Professor of Anthropology, Eastern Michigan University, Ypsilanti, MI]
10. Debra A. Prince Zinni (2004): *Estimation of adult skeletal age-at-death from dental root translucency*. [Forensic Anthropologist and Laboratory Manager, Central Identification Laboratory, Department of Defense POW/MIA Accounting Agency]
9. Angi M. Christensen (2003): *An Empirical Examination of Frontal Sinus Outline Variability Using Elliptic Fourier Analysis: Implications for Identification, Standardization, and Legal Admissibility*. [FBI Laboratory, Quantico, VA]
8. Bradley Adams (2002): *Personal Identification Based on Patterns of Missing, Filled, and Unrestored Teeth*. [Director, Forensic Anthropology, Office of Chief Medical Examiner, New York, NY]
7. Nicholas P. Herrmann (2002): *Biological Affinities of Archaic Period Populations from Western Kentucky and Tennessee*. [Professor, Department of Anthropology, Texas State University, San Marcos, TX]

6. Lori Baker (2001): *Mitochondrial DNA Haplotype and Sequence Analysis of Historic Choctaw and Menominee Hair Shaft Samples*. [Executive Vice President for Aspirational Excellence, Belmont University, Nashville, TN]
5. Nikki L. Rogers (2000): *The Affinity of South Carolina's "Gullah" African Americans: Biological Tests of Cultural and Historical Hypotheses*.
4. Ashley McKeown (2000): *Investigating Variation Among Arikara Crania Using Geometric Morphometry*. [Senior Lecturer, Texas State University, San Marcos, TX]
3. Samantha Hens (1998): *Stature Estimation in Fossil Hominids*. [Professor of Anthropology, Sacramento State University, Sacramento, CA]
2. Samantha Hurst (1998): *Maximum Likelihood and Bayesian Estimation of Skeletal Age-at-Death from the Human Pubic Symphysis*. [Project Scientist, Herbert Wertheim School of Public Health & Human Longevity Science, University of California at San Diego]
1. Lee Meadows Jantz (1996): *Secular Change and Allometry in the Long Limb Bones of Americans from the mid-1700s Through the 1970s*. [Distinguished Lecturer Emerita, Department of Anthropology, University of Tennessee at Knoxville]

**Invited Presentations** (since 2000, not including job talks):

- Konigsberg, LW. "Bocquet-Appel's contributions to paleodemography", Symposium in memory of Jean-Pierre Bocquet-Appel. Aix-en-Provence, France, July 2, 2019.
- Konigsberg, L.W. "It's not a scandal. It's Statistics", Public Keynote Lecture, Workshop on New Methods in Skeletal Age Estimation, Stanford University, August 6, 2018.
- Konigsberg, LW. "The two E's of forensic anthropology: Or how I learned it's OK to be a Bayesian forensic anthropologist", 14th Annual Chico Forensic Conference, California State University at Chico. Chico, CA, November 4, 2017.
- Konigsberg, LW. Keynote address in a symposium on age estimation cosponsored by the British Association for Biological Anthropology and Osteoarchaeology, Society for the Study of Human Biology. Oxford, UK, December 9-11, 2014.
- Konigsberg, LW. Workshop on age estimation, Society for the Study of Human Biology. Oxford, UK, December 9, 2014.
- Konigsberg, LW. "Migrations in past populations", Conferencia Magistral ("keynote address"), XVII Coloquio Internacional de Antropología Física Juan Comas. Colima, Mexico, November 14, 2013.
- Konigsberg, LW. Workshop on paleodemography, XVII Coloquio Internacional de Antropología Física Juan Comas. Colima, Mexico, November 12, 2013.
- Konigsberg, LW. Paper presented ("Implementing the Rostock Manifesto") as an invited participant in a Max Planck Workshop on Age Determination held at Rostock, Germany, October 8-12, 2007.
- Konigsberg, LW. Paper presented ("The place of race in forensic anthropology") as an invited participant in a symposium on "Race Reconciled?: How Biological Anthropologists View Human Variation," Maxwell Museum and Department of Anthropology, University of New Mexico, May 2007.
- Konigsberg, LW. Invited participant in a Max Planck (Rostock) Workshop on Paleodemography held in Baden, Switzerland, April 6-7, 2006.

- Konigsberg, LW. and S.R. Frankenberg “Migration past and present.” Presented in a symposium on “Migration and Anthropology” organized by Graciela Cabana and Jeffrey J. Clark for the American Anthropological Association meetings, December 2, 2005.
- Konigsberg, LW. Invited discussant for a Max Planck (Rostock) Workshop on Paleodemography held at Lauchheim, Germany, March 17-19, 2004.
- Konigsberg, LW. “The osteological evidence for human longevity in the recent past.” Invited paper presented in a School of American Research Advanced Seminar on “The Evolution of Human Life History,” Santa Fe, New Mexico, November 3-7, 2002.
- Konigsberg, LW., and N.P. Herrmann “The high-dimensional nature of human skeletal ageing.” Invited paper presented in a workshop on “Future Directions in Paleodemography” at the Max Planck Institute for Demographic Research, Rostock, Germany, June 6, 2002.
- Konigsberg, LW., and N.P. Herrmann “Markov Chain Monte Carlo estimation of hazard model parameters in paleodemography.” Invited paper presented in a workshop on “Human Longevity in the Past” at the Max Planck Institute for Demographic Research, Rostock, Germany, August 3, 2000.

#### **Book:**

- Mielke, JH, **LW Konigsberg**, and JH Relethford  
(2011) *Human Biological Variation, 2<sup>nd</sup> ed.* Oxford University Press. (ISBN 0195188713)

#### **Book Chapters and Encyclopedia Entries:**

27. **Konigsberg, LW**, GR Milner, and JL Boldsen (2023). Demography, including paleodemography. In CS Larsen (ed.), *A companion to biological anthropology, 2<sup>nd</sup> ed.* Hoboken, NJ: John Wiley & Sons. pp 223-243.
26. **Konigsberg, LW** and SR Frankenberg (2021). Jean-Pierre Bocquet-Appel's contributions to paleodemography. In A Degioanni, E Herrscher, and S Naji (eds.), *Journey of a committed paleodemographer: Farewell to Jean-Pierre Bocquet-Appel.* Aix-en-Provence, France: Presses Universitaires de Provence. pp 15-24.
25. **Konigsberg, LW** (2021). Using data from the US Korean War Dead and the Terry Collection to demonstrate problems of the common “overlap methods”. In BFB Algee-Hewitt and J. Kim (eds.), *Remodeling forensic skeletal age.* Cambridge, MA: Elsevier. pp 3-26.
24. **Konigsberg, LW** (2018) Human skeletal data quantification. In: Sandra L. López Varela (ed.), *The Encyclopedia of Archaeological Sciences.* Hoboken, NJ: John Wiley & Sons. DOI: 10.1002/9781119188230.saseas0310 (3 pages)
23. **Konigsberg, LW** (2018) Quantitative variation. In: W Trevathan (ed.), *The International Encyclopedia of Biological Anthropology.* Hoboken, NJ: John Wiley & Sons. DOI:10.1002/9781118584538.ieba0417 (8 pages)
22. **Konigsberg, LW** and LM Jantz (2018) Multivariate regression methods for the analysis of stature. In: KE Latham, EJ Bartelink, and M Finnegan (eds.), *New perspectives in forensic human skeletal identification.* San Diego, CA: Academic Press. pp. 87-104.
21. **Konigsberg, LW** and LM Jantz (2017) The probabilistic basis for identifying individuals in biohistorical research. In: C Stojanowski and WN Duncan (eds.), *Studies in forensic biohistory.* New York: Cambridge University Press. pp. 213-236.

20. **Konigsberg, LW** and SR Frankenberg (2016) Postmarital residence analysis. In: MA Pilloud and JT Hefner (eds.), *Biological distance analysis*. New York: Elsevier Press. pp. 335–347.
19. **Konigsberg, LW** and BJ Adams (2014) Estimating the number of individuals represented by commingled human remains: A critical evaluation of methods. In: BJ Adams and JE Byrd (eds.), *Commingled human remains: Methods in recovery, analysis, and identification*. New York: Academic Press. pp. 193-220.
18. **Konigsberg, LW** and SR Frankenberg (2012) Demography. In: DiGangi, EA and MK Moore (eds.), *Research methods in human skeletal biology*, Academic Press, New York, NY, pp. 293-322.
17. **Konigsberg, LW** (2012) Quantitative variation and genetics. In: S Stinson, B Bogin, and D O'Rourke (eds.), *Human Biology: An Evolutionary and Biocultural Approach, 2<sup>nd</sup> ed.* Wiley-Blackwell, Hoboken, NJ, pp. 143-173.
16. **Konigsberg, LW** (2011) Contributing Editor for paleodemography entries. Entries in: BA Wood (ed), *Wiley-Blackwell Encyclopedia of Human Evolution*.
15. Frankenberg, SR and **LW Konigsberg** (2011) Migration muddles in prehistory: The distinction between model-bound and model-free methods. In: GS Cabana and JJ Clark (eds.), *Rethinking Anthropological Perspectives on Migration*, University of Florida Press, Gainesville, pp. 278-292.
14. **Konigsberg, LW** and NP Herrmann (2006) The osteological evidence for human longevity in the recent past. In: RR Paine and K Hawkes (eds.), *The Evolution of Human Life History*. School of American Research Press, Santa Fe, NM, pp. 267-306.
13. **Konigsberg, LW**, AH Ross, and WL Jungers (2006) Estimation and evidence in forensic anthropology: stature. In: A Schmitt, E Cunha, and J Pinheiro (eds.), *Forensic Anthropology and Forensic Medicine*. Humana Press, Totowa, NJ, pp. 317-331.
12. Frankenberg, SR and **LW Konigsberg** (2006) A brief history of paleodemography from Hottot to hazards analysis. In: JE Buikstra and LA Beck (eds.), *Bioarchaeology: The Contextual Analysis of Human Remains*. Academic Press, New York, NY, pp. 227 - 261.
11. **Konigsberg, LW** (2006) A post-Neumann history of biological and genetic distance studies in bioarchaeology. In: JE Buikstra and LA Beck (eds.), *Bioarchaeology: The Contextual Analysis of Human Remains*. Academic Press, New York, NY, pp. 263 - 279.
10. Leigh, SR, JH Relethford, PB Park, and **LW Konigsberg** (2003) Morphological differentiation of *Gorilla* species. In: AB Taylor and ML Goldsmith (eds.), *Gorilla Biology: A Multidisciplinary Perspective*. Cambridge University Press, New York, pp. 104-131.
9. Steadman, DW and **LW Konigsberg** (2003) Multiple points of similarity. In: DW Steadman (ed.), *Hard Evidence: Case Studies in Forensic Anthropology*. Prentice Hall, Upper Saddle River, NJ, pp. 63-76.
8. **Konigsberg, LW** and NP Herrmann (2002) Markov chain Monte Carlo estimation of hazard model parameters in paleodemography. In: Robert D. Hoppa and Jim Vaupel (eds.), *Paleodemography: Age Distributions from Skeletal Samples*. Cambridge University Press, New York, pp. 222-242.
7. Herrmann, N.P., and **LW Konigsberg** (2002) A re-examination of the age-at-death distribution of Indian Knoll. In: RD Hoppa and J Vaupel (eds.), *Paleodemography: Age Distributions from Skeletal Samples*. Cambridge University Press, New York, pp. 243-257.
6. Boldsen, JL, GR Milner, **LW Konigsberg**, and JW Wood (2002) Transition analysis: a new method for estimating age from skeletons. In: RD Hoppa and J Vaupel (eds.),

*Paleodemography: Age Distributions from Skeletal Samples*. Cambridge University Press, New York, pp. 73-106.

5. **Konigsberg, LW** (2000) Quantitative variation and genetics. In: S Stinson, B Bogin, R Huss-Ashmore, and D O'Rourke (eds.), *Human Biology: An Evolutionary and Biocultural Approach*. Wiley, New York, pp. 135-162.
4. **Konigsberg, LW**, and DJ Holmann (1999) Estimation of age-at-death from dental emergence and implications for studies of prehistoric somatic growth. In: RD Hoppa and C Fitzgerald (eds.), *Human Growth in the Past*. Cambridge University Press, Cambridge, UK, pp. 264-289.
3. **Konigsberg, LW**, SR Frankenberg, and RB Walker (1997) Regress what on what?: Paleodemographic age estimation as a calibration problem. In: RR Paine (ed.), *Integrating Archaeological Demography: Multidisciplinary Approaches to Prehistoric Population*. Center For Archaeological Investigations, Occasional Paper No. 24. Carbondale, IL, pp. 64-88.
2. **Konigsberg, LW**, and JE Buikstra (1995) Regional approaches to the investigation of past human biocultural structure. In: L.A. Beck (ed.), *Regional Approaches to Mortuary Analysis*. Plenum: New York, pp. 191-219.
1. Charles, DK, JE Buikstra, and **LW Konigsberg** (1986) Terminal Archaic and Early Woodland mortuary practices in the Lower Illinois Valley: the behavioral implications. In *Early Woodland Archeology*, KB Farnsworth and TE Emerson (eds.), pp. 458-474, CAA Press: Kampsville, IL.

#### **Comments, Letters, and Journal Articles:**

71. **Konigsberg, LW** and SR Frankenberg (2024). What should be typical about the way we calculate typicality? *Forensic Anthropol.* 7(2-3), 177-186.
70. Minetz, JA, SD Ousley, and **LW Konigsberg** (2024). Using multivariate analysis within the vertebral column to identify individual vertebrae. *Forensic Anthropol.* 7(2-3), 98-108.
69. Abulnoor, BA, MH Attia, MH, IR Konigsberg, and **LW Konigsberg** (2023). TestDimorph: An R package for analysis of interpopulation sexual dimorphism differences using summary statistics. *Am. J. Biol. Anthropol.* 182(3), 487-498.
68. **Konigsberg, LW**, SR Frankenberg, V Sgheiza, and HM Liversidge (2022) Prior probabilities and the age threshold problem: First and second molar development. *Hum. Biol.* 93(1), 51-63.
67. Yim, A-D, **LW Konigsberg**, H-L Hwa, C-C Chang, J-Y Chen, and H-M Liu (2021) Allometric scaling and growth: Evaluation and applications in subadult body mass estimation. *Am. J. Phys. Anthropol.* 175(3), 577-588.
66. Fox, MC, **LW Konigsberg**, ET Hsiao-Wecksler, KK Whitcome, and JD Polk (2021) Scaling of linear anthropometric dimensions in living humans. *Am. J. Phys. Anthropol.* 176(1), 134-143.
65. Šešelj M and **LW Konigsberg** (2020) A different interpretation of dental development stages in Xujiayao 1 Middle to Late Pleistocene Homo. *J Hum Evol.* 148(102745). <https://doi.org/10.1016/j.jhevol.2020.102745>
64. **Konigsberg LW** and V Sgheiza (2019) The use of Roche, Wainer, and Thissen's skeletal maturity of the knee. *J Forensic Sci.* 64:1769-1775.

63. Kim, J, Algee-Hewitt, BFB, and **LW Konigsberg** (2019) Inferring age at death for Japanese and Thai skeletal samples under a Bayesian framework of analysis: A test of priors and their effects on estimation. *Forensic Anthropol.* 2(4):273-292.
62. Šešelj, M, RJ Sherwood, and **LW Konigsberg** (2019) Timing of development of the permanent mandibular dentition: New reference values from the Fels longitudinal study. *Anat. Rec.* 302:1733–1753.
61. **Konigsberg, LW**, SR Frankenberg, and HM Liversidge (2019) Status of mandibular third molar development as evidence in legal age threshold cases. *J Forensic Sci.* 64:680-697.
60. **Konigsberg, LW** and SR Frankenberg (2019) Letter to the Editor: Multivariate ordinal probit analysis in the skeletal assessment of sex. *Am. J. Phys. Anthropol.* 169:385–387.
59. Hughes, CE, BFB Algee-Hewitt, and **L Konigsberg** (2018) Population identifiability from forensic genetic markers: Ancestry variation in Latin America. *Hum. Biol.* 90(3):161-175.
58. **Konigsberg, LW** and SR Frankenberg (2018) Typicality and predictive distributions in discriminant function analysis. *Hum. Biol.* 90:31-44.
57. Lee, AB and **LW Konigsberg** (2018) Univariate and linear composite asymmetry statistics for the “pair-matching” of bone antimeres. *J. Forensic Sci.* 63:1796-1801.
56. **Konigsberg, LW**, SR Frankenberg, and HM Liversidge (2016) Optimal trait scoring for age estimation. *Am. J. Phys. Anthropol.* 159:557–576.
55. **Konigsberg, LW** (2015) Multivariate cumulative probit for age estimation using ordinal categorical data. *Ann. Hum. Biol.* 42:368-378.
54. **Konigsberg, LW** and SR Frankenberg (2013) Bayes in biological anthropology. *Yrbk. Phys. Anthropol.* 57: 153-184.
53. Uhl, NM, CW Rainwater, and **LW Konigsberg** (2013) Testing for size and allometric differences in fossil hominin body mass estimation. *Am. J. Phys. Anthropol.* 151: 215-229.
52. Shackelford, LL, AES Harris, and **LW Konigsberg** (2012) Estimating the probable distribution of age-at-death from dental remains of immature human fossils. *Am. J. Phys. Anthropol.* 147:227–253.
51. **Konigsberg, LW**, BFB Algee-Hewitt, and DW Steadman (2009) Estimation and evidence in forensic anthropology: Sex and race. *Am. J. Phys. Anthropol.* 139:77-90.
50. DiGangi, EA, JD Bethard, EH Kimmerle, and **LW Konigsberg** (2009) A new method for estimating age-at-death from the first rib. *Am. J. Phys. Anthropol.* 138:164-176.
49. **Konigsberg, LW**, NP Herrmann, DJ Wescott, and EH Kimmerle (2008) Estimation and evidence in forensic anthropology: Age-at-death. *J. Forensic Sci.* 53:541-557.
48. Prince, DA, and **LW Konigsberg** (2008) New formulae for estimating age-at-death in the Balkans utilizing Lamendin's dental technique and Bayesian analysis. *J. Forensic Sci.* 53:578-587.
47. Prince, DA, EH Kimmerle, and **LW Konigsberg** (2008) A Bayesian approach to estimate skeletal age-at-death utilizing dental wear. *J. Forensic Sci.* 53:588-593.
46. Kimmerle, EH, RL Jantz, **LW Konigsberg**, and JP Baraybar (2008) Skeletal estimation and identification in American and East European populations. *J. Forensic Sci.* 53:524-532.
45. Kimmerle, EH, **LW Konigsberg**, RL Jantz, and JP Baraybar (2008) Analysis of age-at-death estimation through the use of pubic symphyseal data. *J. Forensic Sci.* 53:558-568.
44. Irish, JD and **LW Konigsberg** (2007) The ancient inhabitants of Jebel Moya redux: Measures of population affinity based on dental morphology. *Int. J. Osteoarchaeology* 17:138-156.



43. Steadman, DW, BJ Adams, and **LW Konigsberg**( 2006) Statistical basis for positive identification in forensic anthropology. *Am. J. Phys. Anthropol.* 131:15-26.
42. Adams, BJ and **LW Konigsberg** (2004) Estimation of the most likely number of individuals from commingled human skeletal remains. *Am. J. Phys. Anthropol.* 125:138-151.
41. **Konigsberg, LW** and SR Frankenberg (2003) Reply to comments by Jackes: Inter-observer error and goodness-of-fit tests in paleodemography. *Am. J. Phys. Anthropol.* 121:387-388.
40. **Konigsberg, LW**, NP Herrmann, and DJ Wescott (2002) Commentary on McBride et al. "Bootstrap Methods for Sex Determination from the Os Coxae Using the ID3 Algorithm," *J Forensic Sci* 2001; 46:427-431. *J. Forensic Sci.* 47:424-426.
39. **Konigsberg, LW** and SR Frankenberg (2002) Deconstructing death in paleodemography. *Am. J. Phys. Anthropol.* 117:297-309.
38. Ross, AH and **LW Konigsberg** (2002) New formulae for estimating stature in the Balkans. *J. Forensic Sci.* 47: 165-167.
37. Hens, SM, **LW Konigsberg**, and WL Jungers (2000) Estimating stature in fossil hominids: which regression model and reference sample to use? *J. Hum. Evol.* 38:767-784.
36. Burghardt, GM, DG Layne, and **LW Konigsberg** (2000) The Genetics of Dietary Experience in a Restricted Natural Population. *Psychol. Sci.* 11:69-72
35. Kramer, A, and **LW Konigsberg** (1999) Recognizing species diversity among large-bodied hominoids: a simulation test using missing data finite mixture analysis. *J. Hum. Evol.* 36:409-421.
34. Ross, AH, AH McKeown, and **LW Konigsberg** (1999) Allocation of crania to groups via the "new morphometry". *J. Forensic Sci.* 44:584-587.
33. **Konigsberg, LW**, and SM Hens (1998) The use of ordinal categorical variables in skeletal assessment of sex from the cranium. *Am. J. Phys. Anthropol.* 107:97-112.
32. Boake, CRB, and **LW Konigsberg** (1998) Inheritance of male courtship behavior, aggressive success, and body size in *Drosophila silvestris*. *Evolution*, 52:1487-1492.
31. **Konigsberg, LW**, SM Hens, LM Jantz, and WL Jungers (1998) Stature estimation as calibration: Maximum likelihood and Bayesian approaches in physical anthropology. *Yrbk. Phys. Anthropol.* 41:65-92.
30. Hens, SM, **LW Konigsberg**, and WL Jungers (1998) Estimation of African ape body length from femur length. *J. Hum. Evol.* 34:401-411.
29. **Konigsberg, LW** (1997) Current events: Comments on matrix permutation tests in the evaluation of competing models for modern human origins. *J. Hum. Evol.* 32: 479-488.
28. **Konigsberg, LW** and S Ousley (1995) Multivariate quantitative genetics of anthropometric traits from the Boas data. *Hum. Biol.* 67:481-498.
27. Holcomb, SMC, and **LW Konigsberg** (1995) A statistical study of sexual dimorphism in the human fetal sciatic notch. *Am. J. Phys. Anthropol.* 97:113-125.
26. **Konigsberg, LW** and SR Frankenberg (1994) Paleodemography: "not quite dead". *Evol. Anthropol.* 3:92-105.
25. **Konigsberg, LW**, A Kramer, S Donnelly, J Relethford, and J Blangero (1994) Modern human origins. *Nature* 372:228-229.
24. Wood, BA, CG Wood, and **LW Konigsberg** (1994) *Paranthropus boisei* - an example of evolutionary stasis? *Am. J. Phys. Anthropol.* 95:117-136.
23. Kramer, A and **LW Konigsberg** (1994) The phyletic position of Sangiran 6 as determined by multivariate analyses. *Courier Forschungs-Institut Seckenberg* 171:105-114.

22. **Konigsberg, LW** and J Blangero (1993) Multivariate quantitative genetic simulations in anthropology, with an example from the South Pacific. *Hum. Biol.* 65:897-915.
21. **Konigsberg, LW**, LAP Kohn, and JM Cheverud (1993) Cranial deformation and nonmetric trait variation. *Am. J. Phys. Anthropol.* 90:35-48.
20. Blangero, J and **LW Konigsberg** (1992) Multivariate segregation analysis using the mixed model. *Genet. Epidemiol.* 8:299-316.
19. **Konigsberg, LW** and SR Frankenberg (1992) Estimation of age structure in anthropological demography. *Am. J. Phys. Anthropol.* 89:235-256.
18. **Konigsberg, LW** and JM Cheverud (1992) Uncertain paternity in primate quantitative genetic studies. *Am. J. Primatol.* 27:133-143.
17. Cheverud, JM, LAP Kohn, **LW Konigsberg**, and S Leigh (1992) The effects of fronto-occipital artificial cranial vault modification on the cranial base and face. *Am. J. Phys. Anthropol.* 88:323-345.
16. Blangero, J, S Williams-Blangero, CM Kammerer, B Towne, and **LW Konigsberg** (1992) Multivariate genetic analysis of nevus measurements and melanoma. *Cytogenet. Cell Genet.* 59:179-181.
15. **Konigsberg, LW**, J Blangero, CM Kammerer, and GE Mott (1991) Mixed model segregation analysis of LDL-C concentration with genotype-covariate interaction. *Genet. Epidemiol.* 8:69-80.
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1. Buikstra, JE and **LW Konigsberg** (1985) Paleodemography: critiques and controversies. *American Anthropologist* 87:316-333.

### **Courses Taught:**

At University of Tennessee, Knoxville

- ANTH 210 (Principles of Biological Anthropology)
- EEB 240 (Human Anatomy)
- ANTH 306 (Genetics and Society)
- ANTH 450 (Current Trends in Anthropology)
- ANTH 480 (Human Osteology) – 2
- ANTH 583 (Skeletal Biology)
- ANTH 590 (Method and Theory in Biological Anthropology)
- ANTH 690 (Selected Topics in Physical Anthropology)
- ANTH 695 (Human Gross Anatomy)

At University of Illinois at Urbana-Champaign

- Anth 241 (Human Biological Variation)
- \*Anth 347, 456 (Human Osteology)
- Anth 447 (Advanced Skeletal Biology)
- Anth 540 (Seminar in Bioanthropology, Quantitative Methods)
- #BMS 622 (Human Anatomy I)
- BMS 623 (Human Anatomy II)

\*Course re-numbered from 456 to 347

# Basic Medical Sciences taught in the College of Medicine

### **Panel Reviewer for:**

- U.S. Environmental Protection Agency, STAR Graduate Fellowships (1996, 1997, 1998, 1999, 2000, 2001, 2002)
- U.S. Environmental Protection Agency, Decision-Making, Valuation, and Environmental Policy Program (August 19<sup>th</sup> – 20<sup>th</sup>, 2002)
- National Science Foundation, Doctoral Dissertation Improvement Grant Panel for Physical Anthropology (April 30-May 1, 2007; November 26-27, 2007; April 21-22, 2008; November 17-18, 2008; April 27-28, 2009)

### **External Program Reviews:**

- Department of Anthropology, University of Utah (December 2010)
- Department of Anthropology, Kent State University (March 2012)

Department of Anthropology, University at Albany (March 2012)