

Curriculum Vitae

July 2022

Paul W. Leslie

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Education and Degrees:

The Pennsylvania State University (Anthropology)	Ph.D.	1977
The Pennsylvania State University (Anthropology)	M.A.	1972
Bucknell University (Sociology/Anthropology)	B.A.	1970

Research, Teaching, and Administrative Positions:

2019-2022 Chair, Environment, Ecology, and Energy Program (E³P), UNC-Chapel Hill
2018 Interim Chair, Department of Anthropology, UNC-Chapel Hill
2016- Pardue Distinguished Professor of Anthropology and Curriculum for the Environment and Ecology; Fellow, Carolina Population Center, University of North Carolina, Chapel Hill
2004-2013 Chair, Department of Anthropology, UNC-Chapel Hill
2000-2016 Professor, Dept. of Anthropology and Curriculum for the Environment and Ecology; Fellow, Carolina Population Center, University of North Carolina, Chapel Hill;
1991-1999 Associate Professor of Anthropology and Curriculum in Ecology; Fellow, Carolina Population Center, University of North Carolina, Chapel Hill
1986 Visiting Scientist, Genetics Department, Southwest Foundation for Biomedical Research, San Antonio, Texas
1984 Consultant (demography and population ecology), EcoSystems Ltd. (Nairobi) and Ministry of Energy and Regional Development, Republic of Kenya: Turkana District Resources Survey.
1978-1991 Assistant Professor and Associate Professor (1985) of Anthropology, State University of New York, Binghamton
1976-1978 Assistant Professor of Anthropology, The University of Texas at Austin
1971-1976 U.S. Public Health Service (Division of Medical Services) Trainee in Human Biology, The Pennsylvania State University, University Park

Research Specializations

Human population ecology and demography: population-environment interactions; ecological and evolutionary perspectives on reproduction; biosocial determinants of fertility; environmental influences on reproductive function; modeling fertility decisions and reproductive strategies; historical and genealogical demography; interaction among social, demographic, and genetic structures of human populations

Sub-Saharan African pastoralism: causes and consequences of changing livelihood patterns; cultural and biological responses to environmental fluctuations and uncertainty; East Africa

Field Experience:

2009, '10, '11, '14 '15, '16	Livelihood diversification, ecology, and land use in northern Tanzania
2007	Ecology, demography, and land use in Botswana and Namibia
1998, '99, 2000, '01, '02, '04, '05	Ecology, demography, and land use in northern Tanzania
1992, 1994	Reproductive ecology of nomadic Turkana males, Turkana, Kenya.
1989, 1990	Demography and reproductive ecology of nomadic and settled Turkana, Kenya (South Turkana Ecosystem Project).
1983, '84, '87	Demography of nomadic herders, Turkana, Kenya (South Turkana Ecosystem Project).
1977	Genealogical and historical demography, Saba, Netherlands Antilles
1974-1975	Genetic demography, St. Barthélemy, Fr. West Indies, and St. Thomas, U.S. Virgin Islands
1971, 1972	Genealogical demography, St. Barthélemy and Guadeloupe, French West Indies

Grants and Awards:

- 2022-25 *Response and Resilience Following Multiple Extreme Events in Pastoral Systems with Contrasting Land Use Regimes*. National Science Foundation, Collaborative Research. Recommended for funding; pending final approval.
- 2018 *Mapping Fine-scale Land-Use Practices Using High Resolution Satellite Imagery and Feature Extraction* (with Colin T. West) Carolina Population Center, \$10,000.
- 2015-19 *Event Ecology and Extreme Events as Transformative Factors in Pastoral Socio-Ecological Systems*. (PI) National Science Foundation, Collaborative Research, University of North Carolina and University of Colorado: BCS-1533552/1533502, \$433,919 (\$275,193, CU; \$158,726, UNC)
- 2014 Pogue Senior Faculty Research and Study Leave, Office of the Executive Vice Chancellor and Provost, UNC-Chapel Hill.
- 2011-15 *Multi-level Response Diversity: Land Use, Livelihood Diversification, and Resilience in Northern Tanzania*. (PI) National Science Foundation, Collaborative Research, University of North Carolina and University of Colorado: BCS-1122685, \$445,528 (\$314,614, UNC; \$130,914, CU)
- 2011 Elected Fellow, American Association for the Advancement of Science
- 2011 Vicki and David Craver Academic Leadership Grant. College of Arts and Sciences, University of North Carolina, Chapel Hill. \$20,000.
- 2010 *Drought Resource Management and Pastoralist Livelihood Change: An Examination of the Social Dynamics Mediating Conservation Goals and Outcomes*, Doctoral dissertation grant for B.W. Miller, National Science Foundation, BCS-1030847, \$12,000.
- 2009 *Wildlife Conservation and the Role of Inter-Household Exchange in Social-Ecological Resilience*. Doctoral dissertation grant for T. Baird, National Science Foundation, BCS-0927173, \$12,000.
- 2009 *Multi-level Response Diversity: Land Use, Livelihoods, and Conservation in Northern Tanzania*. Carolina Population Center. \$8200.
- 2006-11 *Dynamics of Parks as Agents of Change in Eastern and Southern Africa*. National Science Foundation, Human Social Dynamics Collaborative Research, University of North Carolina, University of Florida, University of Colorado: BCS-0624265, BCS -0624266, BCS-0624343, total \$674,000.
- 2005-06 *Alternative Consequences of Migration for Land Use and Conservation in Northern Tanzania*. (Co-principal investigator, with J.T. McCabe) Research and Writing Grant, John D. and Catherine T. MacArthur Foundation, Program on Global Security and Sustainability. \$100,000.

- 2004-06 *Consequences of Parks for Land Use, Livelihood Diversification, and Biodiversity in East Africa*. National Science Foundation, Collaborative Research, University of North Carolina, University of Florida, University of Colorado: BCS-0349825, BCS -0352008, BCS-0351462, total \$299,981.
- 2004 *Risk Perception, Land Use and Labor Migration in Northern Tanzania*. A.W. Mellon Foundation / Carolina Population Center, \$19,885.
- 2003 *Migration, Culture, and HIV Exposure: Follow-up Screening of Childbearing Women in Ngorongoro District, Tanzania*. (Co-principal investigator), Center for AIDS Research, University of North Carolina, Chapel Hill, \$20,000.
- 2003 *Patterns and Consequences of Migration: Ethnographic and Historical Demographic Study of Saba, Netherlands Antilles*. A.W. Mellon Foundation / Carolina Population Center, \$2,865.
- 2003 University Teaching Award: J. Carlyle Sitterson Award for Undergraduate Teaching.
- 2003 *Engendering the Irish Diaspora: Development Practices, Shifting Social Policies, and Women's Migration in the Conamara Gaeltacht*. Dissertation grant for A. Sullivan, National Science Foundation, BCS-0314111, \$11,994 (declined).
- 2002 *Longitudinal Study of Maternal Morbidity and Mortality in Ngorongoro District, Tanzania*. (Co-principal investigator), Rockefeller Foundation, \$204,893.
- 2002 *Warriors, Wages, and Wildebeest: Environmental and Reproductive Health Consequences of Rural-Urban Migration in Northern Tanzania*. A.W. Mellon Foundation / Carolina Population Center, \$28,075.
- 2002 *Conservation and Cultivation: Exploring Pattern and the Potential for Coexistence in Northern Tanzania*. Dissertation grant for A. Cooke, National Science Foundation, BCS-0221254, \$12,000.
- 2001 *Rural-Urban Migration and Maasai Land Use Diversification in Tanzania*. A.W. Mellon Foundation / Carolina Population Center, \$11,065.
- 1999 *Intensification of Pastoral Systems in Northern Tanzania: Integrating Demographic and Cultural Models Approaches*. National Science Foundation, BCS-9909631; collaborative proposal with J.T. McCabe, 2 years, \$64,406 (UNC), \$197,767 (U. Colorado).
- 1998 *Support for Tanzanian student research*. A.W. Mellon Foundation / Carolina Population Center, \$4,300.
- 1997-98 *Population and Changing Land Use in Northern Tanzania*. A.W. Mellon Foundation / Carolina Population Center, \$79,754.
- 1996 *Reproductive Health in Samburu, Kenya*. Carolina Population Center and A.W. Mellon Foundation, \$15,000.
- 1996 *Postdoctoral Fellowship in Anthropological Demography*, for R. Gillett, A.W. Mellon Foundation, \$60,000.
- 1992-95 *Reproductive Ecology of Males in Turkana, Kenya*, (Project director) National Science Foundation, collaborative grant with K. Campbell, U. Mass., Boston. DBS-9207837, \$127,542 (UNC), DBS-9207891, \$119,849 (UMB).
- 1995 *Postdoctoral Fellowship in Anthropological Demography*, for R. Desiderio, A.W. Mellon Foundation, \$50,000.
- 1993 *Linkage of Data Sets Generated by the South Turkana Ecosystem Project*, Carolina Population Center, \$11,100.
- 1991 *Human Ecology of Reproduction in Nomadic Turkana Pastoralists*. (Project director) National Science Foundation, Supplement to BNS-8718477, \$8,757.
- 1988-90 *Human Ecology of Reproduction in Nomadic Turkana Pastoralists*. (Project director) National Science Foundation, BNS-8718477, \$192,542.
- 1986 *Population Ecology of South Turkana Nomads*, (Co-principal investigator) National Science Foundation, BSR-8604774, \$20,000.

- 1985 *Population Ecology of South Turkana Nomads*. (Co-principal investigator) National Science Foundation, BSR-8506480. \$10,000.
- 1982-84 *Population Ecology of South Turkana Nomads*. (Co-principal investigator) National Science Foundation, BSR-8206864, \$176,420.
- 1981 *Caloric Requirements of Human Populations: An Improved Model*. Research Foundation of the State University of New York, \$800.
- 1981 *Demographic Consequences of Health and Nutrition in a Rural Javanese Community*. (Dissertation research grant for R.E. Jones), National Science Foundation, BNS-8115586, \$3,490.
- 1979 *Genetic Consequences of Migration in Small Human Populations*. Research Foundation of the State University of New York, \$1,500.
- 1977 *Historical Demography of Saba, Netherlands Antilles*. Institute of Latin American Studies, Austin, Texas, \$2,400.
- 1971-76 U.S. Public Health Service Traineeship in Human Biology.

Publications:

☞ indicates publications in refereed journals

- ☞ Leslie, PW (2021)
Major review of "Biodemography: An Introduction to Concepts and Methods" in the **American Journal of Physical Anthropology**. DOI:10.1002/ajpa.24350
- ☞ McCabe, JT, PW Leslie, and A Davis (2020)
The emergence of the village and the transformation of traditional institutions: A case study from northern Tanzania. **Human Organization** 79(2):150-160.
- Leslie, PW (2018)
Fertility and fecundity. In *The International Encyclopedia of Biological Anthropology*, Wenda Trevathan (ed). John Wiley and Sons, Inc.
- Leslie, PW (2018)
Birth intervals. In *The International Encyclopedia of Biological Anthropology*, Wenda Trevathan (ed). John Wiley and Sons, Inc.
- ☞ McCabe, JT, N Smith, PW Leslie, and A Telligman (2014)
Livelihood diversification through migration among a pastoral people: Contrasting case studies of Maasai in northern Tanzania. **Human Organization** 73(4):389-400.
- ☞ Miller, BW, PW Leslie, and JT McCabe. (2014)
Coping with natural hazards in a conservation context: Resource use decisions of Maasai households during recent and historical droughts. **Human Ecology** 42(5):753-768. DOI: 10.1007/s10745-014-9683-3
- ☞ Beall, CM and PW Leslie (2014)
Collecting women's reproductive histories. **American Journal of Human Biology** 26(5):577-589.

- ㉓ Leslie, PW and JT McCabe (2013)
Response diversity and resilience in social-ecological systems. **Current Anthropology** 52(4): 114–144.
- ㉓ Baird, TD and PW Leslie (2013)
Conservation as disturbance: Upheaval and livelihood diversification near Tarangire National Park, northern Tanzania. **Global Environmental Change** 23(5):1131-1141.
<http://dx.doi.org/10.1016/j.gloenvcha.2013.05.002>
- ㉓ Jennings, J and PW Leslie (2012)
Differences in intergenerational fertility associations by sex and race in Saba, Dutch Caribbean, 1876-2004. **The History of the Family**. DOI:10.1080/1081602X.2012.731016
- ㉓ Miller, B.W., S.C. Caplow, and P.W. Leslie (2012)
Feedbacks between conservation and social-ecological systems. **Conservation Biology** 26(2):218-227.
- ㉓ McCabe, J.T., P.W. Leslie, and L. DeLuca. (2010)
Adopting cultivation to remain pastoralists: The diversification of Maasai livelihoods in northern Tanzania. **Human Ecology** 38(3):321-334.
- ㉓ Baird, T.D., P.W. Leslie, J.T. McCabe. (2009)
The effect of wildlife conservation on local perceptions of risk and behavioral response. **Human Ecology** 37(4):463–474.
- ㉓ Campbell B.C., Leslie, P.W., Campbell KL. (2007)
DHEAS among Turkana men of northern Kenya. **The Aging Male** 10(4):203-209.
- ㉓ De Vries, D. H., P.W. Leslie, and J.T. McCabe (2006)
Livestock acquisitions dynamics in nomadic pastoralist herd demography: a case study among Ngisonyoka herders of South Turkana, Kenya. **Human Ecology** 34(1):1-25.
- ㉓ Campbell BC, Leslie, PW, Campbell KL. (2006)
Age-related patterns of urinary gonadotropins among Turkana men of northern Kenya. **Social Biology** 53(1-2):30-45.
- ㉓ Campbell B.C., Leslie, PW, Campbell KL. (2006)
Age-related changes in testosterone and SHBG among Turkana males. **American Journal of Human Biology** 18:71-82.
- ㉓ Campbell, B.C., P.W. Leslie, M.A. Little, and K.L. Campbell (2005)
Pubertal timing, hormones and body composition among adolescent Turkana males. **American Journal of Physical Anthropology** 128(4):896-905.
- ㉓ Campbell, B.C., P.B. Gray, and P.W. Leslie (2005)
Age-related changes in body composition among Turkana males of Kenya. **American Journal of Human Biology** 17(5):601-610.
- ㉓ Leslie, P.W. and M.A. Little (2003)

- Human biology and ecology: Variation in nature and the nature of variation. **American Anthropologist** 105(1):28-37. Invited paper for special issue on "100 Years of Biological Anthropology and the AAA".
- ⊗ Gray, S.J., M. Sundal, B. Wiebush, M. Little, P. Leslie, and I. Pike (2003).
Cattle raiding, cultural survival, and adaptability of East African pastoralists. **Current Anthropology** 44, Special Issue, *Multiple Methodologies in Anthropological Research*: S3-S30.
 - ⊗ Corbett SM, SJ Gray, B Campbell, and PW Leslie (2003)
Comparison of body composition among settled and nomadic Turkana of Kenya. **Ecology of Food and Nutrition**. 42:193-212.
 - ⊗ Leslie, P.W. and B.P. Winterhalder (2002)
Demographic consequences of unpredictability in fertility outcomes. **American Journal of Human Biology** 14(2): 168-183. Special issue on "Evolutionary Approaches to Population."
 - ⊗ Winterhalder, B.P. and P.W. Leslie (2002)
Risk-sensitive fertility: The variance compensation hypothesis. **Evolution and Human Behavior** 23(1):59-82 (Special Issue on "Risk").
- Gray, S.G., P.W. Leslie, and H.A. Akol (2002)
Uncertain disaster: Environmental instability, colonial policy, and the resilience of East African pastoralist systems. In, **Human Biology of Pastoral Populations**, W.R. Leonard and M.H. Crawford, eds., Cambridge University Press, pp. 99-130.
- ⊗ Barkey N.L., Campbell B.C. and P.W. Leslie (2001)
A comparison of health complaints of settled and nomadic Turkana men. **Medical Anthropology Quarterly** 15(3):391-408.
 - ⊗ Leslie, P.W., M.A. Little, and K.L. Campbell (2001)
Environmental change and the ecology of reproduction in Turkana, Kenya. **Homo -Unsere Herkunft und Zukunft**. Göttingen: Cuvillier Verlag, pp.476-482.
- Little, M.A. and P.W. Leslie, eds. (1999)
Turkana Herders of the Dry Savanna. Ecology and Biobehavioral Response of Nomads to an Uncertain Environment. Oxford University Press, Oxford (xvi + 420 pp.).
Chapters authored/coauthored in above volume:
Chap. 1. Framework and Theory. M. Little, R. Dyson-Hudson, P. Leslie, and N. Dyson-Hudson, pp. 1-23.
Chap. 11. Health and Morbidity: Ethnomedical and Epidemiological Perspectives. B. Shell-Duncan, J.K. Shelley, and P. Leslie, pp. 207-229.
Chap. 12. People and Herds. P. Leslie, and R. Dyson-Hudson, pp. 233-247.
Chap. 13. Fecundity and Fertility. P. Leslie, K. Campbell, B. Campbell, C. Kigundu, and L. Kirumbi, pp. 249-279.
Chap. 14. Population Replacement and Persistence. P. Leslie, R. Dyson-Hudson, and P. Fry, pp. 281-301.
Chap. 17. Settled Turkana. B. Campbell, P. Leslie, M. Little, J. Brainard, and M. DeLuca, pp. 333-353.
Chap. 18. Synthesis and Lessons. P. Leslie, M. Little, R. Dyson-Hudson, and N. Dyson-Hudson, pp. 355-373.
Appendix: Ngisonyoka Turkana Event Calendar. P. Leslie, R. Dyson-Hudson, E. Lowoto, and J. Munyesi,

pp. 375-378.

- ə DeLong, G.R., P.W. Leslie, S. Wang, X. Jiang, M. Zhang, T. Ma, and X. Cao (1997)
Decrease of infant mortality after iodination of irrigation water in a severely iodine-deficient area in Hotien, Xinjiang, China. **Lancet** 350: 771-773.

- Little, M.A., P.W. Leslie, and P.T. Baker (1997)
Multidisciplinary research of human biology and behavior. In **History of Physical Anthropology: An Encyclopedia**. F. Spencer, ed., NY: Garland Publishing, pp. 695-701.

- ə Leslie, P.W., K.L. Campbell, M.A. Little, and C.S. Kigundu (1996)
Evaluation of reproductive function in Turkana women with enzyme-immunoassays of urinary hormones in the field. **Human Biology** 68(1): 95-117.
This paper was selected as runner-up for the Gabriel W. Lasker Award for the best paper published in Human Biology in 1996.

- DeLuca, M.A. and P.W. Leslie (1996)
Variation in risk of pregnancy loss. In R. Cecil, ed., **The Anthropology of Pregnancy Loss**. Oxford: Berg Publishers, Ltd., pp. 113-130.

- ə Campbell, B.C. and P.W. Leslie (1995)
Reproductive ecology of human males. **Yearbook of Physical Anthropology** 38:1-26.

- ə Leslie, P.W., K.L. Campbell, and M.A. Little (1994)
Reproductive function in nomadic and settled women of Turkana, Kenya. In *Human Reproductive Ecology: Interactions of Environment, Fertility and Behavior*, **Annals of the New York Academy of Sciences** 709: 218-220.

- Galvin, K., L. Coppock, and P. Leslie (1994)
Diet, nutrition, and the pastoral strategy. In **African Pastoralist Systems**. E. Fratkin, K. Galvin, and E.A. Roth, eds. Boulder: Lynne Rienner Publishers, pp. 113-131.

- ə Leslie, P.W., K.L. Campbell, and M.A. Little (1993)
Pregnancy loss in nomadic and settled women in Turkana, Kenya: A prospective study. **Human Biology** 65(2):237-254.
This paper was selected as runner-up for the Gabriel W. Lasker Award for the best paper published in Human Biology in 1993.

- Little, M.A. and P.W. Leslie (1993)
Migration. In **Research Strategies in Human Biology. Field and Survey Studies**. G.W. Lasker and C.G.N. Mascie-Taylor, eds. Cambridge University Press, pp. 62-91.

- ə Little, M.A., P.W. Leslie, and P.T. Baker (1993)
Multidisciplinary studies of human adaptability: twenty five years of research. **Journal of the Indian Anthropological Society** 26(1&2):9-29 (25th Anniv. Issue, *Recent Trends in Human Science Research*).

- ə Little, M.A., S.J. Gray, and P.W. Leslie (1993)
Growth of nomadic and settled Turkana infants of northwest Kenya. **American Journal of Physical Anthropology** 92(3):273-289.

- ⌘ Little, M.A., P.W. Leslie, and K.L. Campbell (1992)
Energy reserves and parity of nomadic and settled Turkana women. **Amer. J. Human Biology** 4:729-738.
- Leslie, P.W. (1990)
Demographic behavior, mating patterns, and the distribution of inbreeding. In **Convergent Issues in Genetics and Demography**, J. Adams, D.A. Lam, A.I. Hermalin, and P.E. Smouse, eds. New York: Oxford University Press, pp. 63-79.
- Little, M., N. Dyson-Hudson, R. Dyson-Hudson, J. Ellis, K. Galvin, P. Leslie, and D. Swift (1990)
Ecosystem approaches in human biology: Their history and a case study of the South Turkana Ecosystem Project. In **The Ecosystem Approach in Anthropology. From Concept to Practice**. E.F. Moran, ed. Ann Arbor: University of Michigan Press, pp. 389-434.
- Little, M.A. and P.W. Leslie, eds. (1990)
The South Turkana Ecosystem Project. Report to the Government of Kenya, Office of the President.
- ⌘ Leslie, P.W. and P.H. Fry (1989)
Extreme seasonality of births among nomadic Turkana pastoralists. **American Journal of Physical Anthropology** 79:103-115.
- Leslie, P.W. and T.B. Gage (1989)
Demography and human population biology: problems and progress. In **Human Population Biology: A Transdisciplinary Science**. M.A. Little and J.D. Haas, eds. Oxford University Press, pp. 15-44.
- Little, M.A., K. Galvin, and P.W. Leslie (1988)
Health and energy requirements of nomadic Turkana pastoralists. In **Coping with Uncertainty in Food Supply**. I. de Garine and G.A. Harrison, eds. Oxford: Oxford University Press, pp. 290-317.
- Leslie, P.W., P.H. Fry, K. Galvin, and J.T. McCabe (1988)
Biological, behavioral, and ecological influences on fertility in Turkana pastoralists. In **Arid Lands: Today and Tomorrow**. E.M. Whitehead, C.F. Hutchinson, B.N. Timmermann and R.G. Varady, eds. Boulder: Westview Press, pp. 705-711.
- McCabe, J.T., R. Dyson-Hudson, P. Leslie, P. Fry, N. Dyson-Hudson, and J. Wienpahl (1988)
Movement and migration as pastoral responses to limited and unpredictable resources. In **Arid Lands: Today and Tomorrow**. E.M. Whitehead, C. Hutchinson, B. Timmermann and R. Varady, eds. Boulder: Westview Press, pp. 727-734.
- ⌘ Leslie, P.W. (1985)
Potential mates analysis and the study of human population structure. **Yearbook of Physical Anthropology** 28: 53-78.
- Fry, P.H. and P.W. Leslie (1985)
Turkana District Resources Survey. Chapter 4: Population and demography. Turkana Rehabilitation Project and Ministry of Energy and Regional Development, Republic of Kenya.
- ⌘ Leslie, P.W., J.R. Bindon, and P.T. Baker (1984)
Caloric requirements of human populations: a model. **Human Ecology** 12: 137-162.
- ⌘ MacQueen, K.M. and P.W. Leslie (1984)

Patterns of supplementation, nursing behavior, and lactation: a simulation analysis. **Medical Anthropology** 8: 274-291.

- ⊃ Leslie, P.W. (1983)
Age correlation between mates and average consanguinity in age-structured human populations. **American Journal of Human Genetics** 35: 962-977.
- ⊃ Leslie, P.W. (1983)
Cohorts, overlapping generations, and consanguinity estimates. **Annals of Human Biol.** (London) 10: 257-265.
- ⊃ Simek, J. and P.W. Leslie (1983)
Partitioning chi-square for the analysis of frequency table data: an archaeological application. **Journal of Archaeological Science** 10: 79-85.
- ⊃ Brennan, E.R., P.W. Leslie and B. Dyke (1982)
Mate choice and genetic structure in Sanday, Orkney Islands, Scotland. **Human Biology** 54: 477-489.
- ⊃ Leslie, P.W., W.T. Morrill, and B. Dyke (1981)
Genetic implications of mating structure in a Caribbean isolate. **Amer. J. Human Genetics** 33: 90-104.
- Leslie, P.W. (1980)
Internal migration and genetic differentiation in St. Barthélemy, French West Indies. In **Genealogical Demography**, B. Dyke and W.T. Morrill, eds. New York: Academic Press, pp. 167-177.
- ⊃ Leslie, P.W., B. Dyke, and W.T. Morrill (1980)
Celibacy, emigration, and genetic structure in small populations. **Human Biology** 52: 115-130.
- ⊃ Leslie, P.W., J.W. MacCluer, and B. Dyke (1978)
Consanguinity avoidance and genotype frequencies in human populations. **Human Biology** 50: 281-299.

Papers Presented at Professional Meetings, Invited Lectures and Participations (selected):

- The Emergence of the Village and the Erosion of Traditional Institutions: A Case Study from Northern Tanzania.* (McCabe, J.T., P.W. Leslie, and A. Davis) Annual Meeting of the Society for Applied Anthropology, March 2021.
- Phases of response of communities to establishment of parks and protected areas.* (McCabe, J.T. and P.W. Leslie) Department of Zoology and Wildlife Management, University of Dar es Salaam, Tanzania, February 2018.
- A Contested Landscape: Constraints, Opportunities and Conflict over Conservation and Land-Use in Northern Tanzania.* (McCabe, J.T. and P.W. Leslie) Workshop on “Shifting bio-cultural frontiers, reterritorialization and global entanglements in conservation areas of southern and eastern Africa”, Global South Studies Centre, Cologne, Germany, January 2017.
- Examining Resilience: Applicability of Resilience Theory to a Case Study of Northern Tanzania.* (McCabe, J.T. and P.W. Leslie) Presented in symposium on Operationalizing Resilience Theory within Anthropology, American Anthropological Association, Washington, DC, Dec. 2014.
- Testing resilience: An examination of the applicability of resilience theory to a case study in northern Tanzania.* (McCabe, J.T. and P.W. Leslie) Society for Applied Anthropology, Denver, CO, March 2013.
- The role of social capital in the resource-use decisions of Maasai households during drought.* (Miller, B.W., P.W. Leslie, and J.T. McCabe) Society for Applied Anthropology, Denver, CO, March 2013.
- The intergenerational transmission of reproductive behavior in Saba, Netherlands Antilles, 1870-2004.* (Jennings, J.A. and P.W. Leslie) Social Science History Association, November 2011.
- Response Diversity and Resilience in Two East African Pastoral Social-Ecological Systems.* Presented at the workshop “Toward Operationalizing the Resilience Concept in the Social Sciences”, Institute for Social and Cultural Anthropology, University of Cologne, Germany, July 2011.
- The Ecology of Uncertainty: Response Diversity and Resilience in Two East African Pastoral Social-Ecological Systems.* Stockholm Resilience Center, University of Stockholm. May 2010.
- Remote sensing approaches to spatial and temporal dynamics of defensive agriculture in the greater ecosystem of Tarangire National Park, Tanzania.* (Binford, MW, JT McCabe, P Leslie, and A Goldman). American Association of Geographers, Washington, DC, April 2010.
- Discussant, working group on “Persistent Inequality: The Dynamics of Wealth Inequalities in Pre-modern Societies,” Santa Fe Institute, February 2010.
- Risk, intensification, conservation, and complexity: Competing flows of ideas and capital in northern Tanzania* (McCabe, JT, P Leslie). The International Congress of Anthropological and Ethnological Sciences, Kunming, China, July 2009.
- Are national parks threatening conservation?* (Baird T, P Leslie, JT McCabe) Annual meeting of NSF-IGERT Principal Investigators, Alexandria, Virginia, May 2009.
- Drivers of Maasai livelihood diversification in northern Tanzania.* (Miller BW, PW Leslie, JT McCabe). 2009 US-IALE (International Association for Landscape Ecology) symposium on Coupling Humans and Complex Ecological Landscapes. Snowbird, Utah, April 2009
- Biophysical and national policy factors influencing protected area success in East and southern Africa* (Binford MW, B Child, A Goldman, P Leslie, JT McCabe). American Association of Geographers, Las Vegas, March 2009.

- The Ecology of uncertainty: Risk, response diversity, and resilience.* (Leslie PW, JT McCabe). Invited symposium on Fostering Resilience in Coupled Human-Natural Systems. American Anthropological Association, San Francisco, CA, November 2008.
- Social response diversity in social-ecological systems.* (Baird T, P Leslie and JT McCabe). Annual meeting of the Resilience Alliance, Stockholm, Sweden, April 2008.
- Response diversity and the nature of balance in two East African savanna social-ecological systems.* African Studies Center, University of Florida, Gainesville, November 2007.
- Adoption of agriculture and perceptions of rainfall variation among Maasai in northern Tanzania.* (Miller BW, PW Leslie, and J T McCabe). Ecological Society of America, Milwaukee, August 2008.
- The Ecology of uncertainty: Response diversity and the nature of balance in two East African savanna social-ecological systems.* African Studies Center, University of Florida, Gainesville, November 2007.
- Risk, response, and resilience (and some other R's) in Maasailand, Northern Tanzania.* Natural Resource Management Working Group, University of Florida, Gainesville, November 2007.
- "Don't cheat us out of land because in this way we will die." Conservation, risk mapping and response diversity in Tanzania.* (Baird TD, PW Leslie, JT McCabe, NF Madulu, H Kiwasila). Conference for Sustainability IGERTs (NSF), Fairbanks, AK, October 2007.
- The effect of conservation on local risk perception and behavioral response in northern Tanzania.* (Baird TD, PW Leslie, JT McCabe, NF Madulu, H Kiwasila). Association of American Geographers, San Francisco, CA, April 2007.
- Parks, livelihood diversification, and perception of risk and uncertainty in northern Tanzania.* (Leslie, PW, JT McCabe, NF Madulu, H Kiwasila, and T Baird) Symposium on Land Use Change and Policy Alternatives: Case Studies from Sub-Saharan Africa. International Society for New Institutional Economics, Boulder, CO, September 2006.
- Rapid social and economic change in northern Tanzania: the influence of land tenure, the gem business, and conservation.* (McCabe, JT, and P Leslie) Symposium on Land Use Change and Policy Alternatives: Case Studies from Sub-Saharan Africa. International Society for New Institutional Economics, Boulder, CO, September 2006.
- Age-related patterns of urinary gonadotropins among Turkana men of northern Kenya.* (B. Campbell, P Leslie, and K Campbell). International Union for the Scientific Study of Population, Conference on "The Ecology of the Male Life Course," Germany, October 2006.
- DHEA and body composition among Turkana males of northern Kenya.* (B. Campbell, P Leslie, and K Campbell). Human Biology Association, Milwaukee, April 2005.
- Consequences of Parks for Land Use, Livelihood Diversification and Biodiversity in East Africa.* (A Goldman, M Binford, J Southworth, C Chapman, L Chapman, JT McCabe, and P Leslie). Presented at the workshop: *Enhancing Collaborative Research on the Environment in Sub-Saharan Africa*, Arlington, VA, January 24-26, 2005.
- Maternal morbidity and mortality in a remote region of northern Tanzania.* (M Magoma, M, T Bennett, R Johnson, and P Leslie). American Public Health Assoc., Washington, DC, November 2004.
- Male partner migration, syphilis and HIV infections among antenatal mothers in Ngorongoro District, Arusha, northern Tanzania.* (Magoma M, BR Johnson, P Leslie, and T Bennett). ECSAOGS conference, presentation 15th-18th August 2004, Kampala, Uganda.
- Age related changes in body composition among Turkana males.* (Campbell B and P Leslie). American Association of Physical Anthropologists, Tampa, FL, April 2004. *Am. J. Phys. Anth.*, Suppl. 38:72-73.

- Maternal HIV and syphilis in the context of urban migration in northern Tanzania.* (Bennett T, M Magoma, R Johnson, and P Leslie) XV International AIDS Conference, Bangkok Thailand, July 2004.
- A longitudinal study of maternal morbidity and mortality in a remote region of northern Tanzania.* (Johnson BR, M Magoma, P Leslie, and T Bennett). Population Association of America, Minneapolis, May 2003.
- Land use, migration, and reproductive health in Ngorongoro District, Tanzania.* (Leslie PW, BR Johnson, MTN Magoma, T Bennett, and JT McCabe). Human Biology Association, Tempe, AZ, April 2003.
- Warriors, Wages, and Wildebeest: The Role of Environmental and Political-Economic Uncertainty in Population-Environment Relationships on the African Savannas.* Population Studies and Training Center, Brown University, December 2003.
- Fertility, migration, and changes in population composition on the Caribbean Island of Saba, Netherlands Antilles,* (Sullivan A, PW Leslie, and KM MacQueen) Population Association of America, May 2002.
- Livestock Exchange Dynamics in Nomadic Pastoralist Herd Demography: A Case Study among the Ngisonyoka Turkana Herders of South Turkana, Kenya.* (de Vries DH, PW Leslie, and JT McCabe). Population Association of America, Atlanta, May 2002.
- Negative association between urinary cortisol and upper arm lean mass in Turkana men.* (Lukas WD, KL Campbell, BC Campbell, and PW Leslie) Human Biology Assoc., Buffalo, NY, April 2002.
- Human behavior, biology, and ecology.* (Leslie P and M Little) Invited paper for "100 Years of Biological Anthropology and the AAA", a Presidential Symposium sponsored by the BAS (of the AAA) and the AAPA, at the 100th annual meeting of the AAA, December 2001.
- Migration, land use diversification, and the ecology of rural-urban linkages in northern Tanzania.* Population Movement and Urbanization Seminar, Chapel Hill, NC, September 2001.
- The biodemography of nuptiality. Or, Married? With children?* (Campbell B, P Leslie, and R Dyson-Hudson) International Union for the Scientific Study of Population, Salvador de Bahia, Brazil, August 2001.
- Adaptive fertility behavior in a stochastic world.* (Leslie P, B Winterhalder and J Weiss) Human Behavior and Evolution Society, London, UK, June 2001.
- A risk-sensitive model of fertility behavior: Implications for some persistent demographic problems.* (Leslie P and B Winterhalder) Population Association of America, Washington, DC, March 2001.
- Consequences of stochasticity in reproductive outcomes.* (Leslie P and B Winterhalder) Human Biology Assoc., Kansas City, MO, March, 2001.
- Hormones and body composition among adolescent Turkana males.* (Campbell B, P Leslie, K Campbell, and M Little). Human Biology Assoc., Kansas City, MO, March, 2001.
- Social demographic management of nomadic pastoralist herd build up: a case study of the Ngisonyoka Turkana in Kenya.* Population Association of America, Washington, DC, March 2001 (with D. de Vries and J.T. McCabe).
- Environmental change and the ecology of reproduction in Turkana, Kenya.* Kongress der Gesellschaft für Anthropologie, Potsdam, Germany, Sept. 2000.
- Persistent pastoralists: Production, reproduction, and well-being in an uncertain environment.* Department of Anthropological Science, Stanford University, May 2000.
- Thriving on uncertainty: people, herds, and research in Turkana, northwest Kenya.* Center for African Studies, Stanford University, May 2000.
- The demographic detective: Methodological opportunism and the search for appropriate demographic measures.* Invited paper in the symposium, A Demographic Data Collection. A Developmental Marker Approach, Human Biology Association, San Antonio, April 2000.

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- Analysis of syphilis rates and protein status in Turkana males in 1994* (Evindar, A, K Whiteman, KL Campbell, PW Leslie, BC Campbell, C Sekadde-Kigundu, L Kirumbi), Annual meeting of the Society for the Study of Reproduction, 1998. Biol Reprod 58 Suppl 1:185.
- The variance compensation hypothesis: toward a risk-sensitive analysis of human fertility.* Invited paper presented in the symposium, ABehavioral and Evolutionary Ecological Approaches to Population,@ American Anthropological Association, Philadelphia, Dec. 1998 (with B.P. Winterhalder).
- Risk, uncertainty, and human fertility.* Institute for Behavioral Sciences, University of Colorado, Boulder, November, 1998.
- Maturational delays and endocrine differences between two male Turkana populations that differ in lifestyle.* Annual meeting of the Society for the Study of Reproduction, 1998 (with K.L. Campbell, B. Campbell, C. Kigundu, and L. Kirumbi).
- Analysis of syphilis rates and protein status in Turkana males in 1994.* Annual meeting of the Society for the Study of Reproduction, 1988 (with A. Evindar, K. Whiteman, K. Campbell, B. Campbell, C. Sekadde-Kigundu, and L. Kirumbi). Biol. Reprod. 58, Suppl. 1:185.
- Testosterone predicts disease symptoms among Turkana males.* Annual Meeting of the American Assoc. of Physical Anthropologists, Salt Lake City, April 1998 (with B. Campbell, W. Lucas, M. Turner, and K. Campbell).
- Comparison of body composition among settled and nomadic Turkana.* Annual Meeting of the American Assoc. of Physical Anthropologists, Salt Lake City, April 1998 (with S. Corbett, S. Gray, and B. Campbell).
- Health differences between settled and nomadic Turkana men.* Annual Meeting of the American Assoc. of Physical Anthropologists, Salt Lake City, April 1998 (with N. Barkey and B. Campbell).
- Promoting anthropological demography in a highly diverse population center.* Invited presentation at a conference on *Designing Graduate Programs in Anthropological Demography*, Population Studies and Training Center, Brown University, Providence, 3 November 1997.
- Human population dynamics in nonequilibrium systems: Turkana and Karimoja.* Presented in the symposium, ALast of the Nomadic Herders@ at the annual meeting of the American Association for the Advancement of Science, Seattle, 18 Feb. 1997 (with S.J. Gray).
- Turkana population dynamics: demographic response, resilience and persistence in a fluctuating environment.* the Annual Meeting of the American Assoc. of Physical Anthropologists, April 1996, Durham, NC.
- Male reproductive function and its contribution to reproductive variability among the Turkana.* Annual Meeting of the American Association of Physical Anthropologists, April 1996, Durham, NC (with B. Campbell, K. Campbell, and L. Kirumbi).
- Turkana female reproductive function: Endocrinology and implications.* Annual Meeting of the American Assoc. of Physical Anthropologists, April 1996, Durham, NC. (with K. Campbell, D. Dookhran, B. Campbell, M. Little, and C. Kigundu).
- Reproduction and health in northwest Kenya: Benefits and problems of a multidisciplinary approach.* African Studies Association, November 1995, Orlando, FL.

Contrasting fertility patterns among nomadic and sedentary males in Turkana, Kenya. American Assoc. of Physical Anthropologists, Oakland, CA, April 1995. (With B. Campbell).

Hormonal assessment of reproductive function among males in Turkana, Kenya. Annual Meeting of the American Assoc. of Physical Anthropologists, Oakland, CA, April 1995. (With B. Campbell, J. Quigley, and K. Campbell).

Hormonal age profiles of Turkana males. Biol. Reprod. 52, Suppl. 1: 176 (with Ju. Quigley, D. Dookhran, K. Campbell, and B. Campbell).

Aspects of reproductive function and fertility of males in Turkana, Kenya. Population Association of America, Miami, May 1994 (with B.C. Campbell, K.L. Campbell, L.W. Kirumbi, and C.S. Kigundu).

✎ Winner of 1994 Poster Presentation Award, Population Association of America.

Fertility among males in Turkana, Kenya. American Assoc. of Physical Anthropologists, Denver, April 1994 (with B.C. Campbell and L.W. Kirumbi). *Hormonal profiles of Turkana males using extracts of blood dried on filter paper.* Proc. 22nd New England Endocrinology Conf., 22 (with J.A. Quigley, D. Dookhran, K.L. Campbell, and B. Campbell).

Reproductive function in nomadic and settled women of Turkana, Kenya. New York Academy of Sciences Conference, *Human Reproductive Ecology: Interactions of Environment, Fertility and Behavior*, Research Triangle Park, NC, May 1993 (with K.L. Campbell and M.A. Little).

Reproductive ecology in Turkana, Kenya. Presented in invited symposium, "Ecological Perspectives on Human Fertility, American Anthropological Assoc., San Francisco, December 1992 (with K. Campbell and M. Little).

Biosocial studies of health and adaptation of Kenyan Turkana. Presented in invited symposium, Regional Cooperation in Applying Social Science Perspectives to Define and Solve Health Problems, 13th International Congress of Anthropological and Ethnological Sciences, Mexico City, July 1993 (with M.A. Little, N. Dyson-Hudson, and R. Dyson-Hudson).

Courses Offered:

Graduate:

Graduate Core Course: Ecology and Evolution

Seminars in Human Ecology:

Environment and Population

Multidisciplinary Research

Human Reproduction: Ecological and Biosocial Perspectives

Field Methods in Human Ecology

Undergraduate:

Darwin's Dangerous Idea: Natural Selection and the Nature of Humans (First Year Seminar, Honors)

Ecology, Population Dynamics, and Human Well-being

Population Anthropology

Human Evolution and Adaptation

Theory and Practice in Biological Anthropology

Professional Service and Memberships:

Editorial Board, *American Journal of Human Biology* (2002 - present)

Editorial Board, *Yearbook of Physical Anthropology* (1992-2010)

Editorial Board, *Demography* (2010 – 2013)

Program Committee, Human Biology Association (2017-18)

Program Organizer, Annual Meetings of the Human Biology Association (2002, 2003)

Executive Committee, Human Biology Association (2000 - 2003)

Special Study Section, National Institute for Child Health and Human Development (2002)

Organizing Committee, Population Association of America (2003)

Program Committee, American Assoc. of Physical Anthropologists (1996-1998)

Nominations and Elections Committee, American Assoc. of Physical Anthropologists (1989-1991)

Editorial Board, *Human Biology* (1984-1988)

Member: Population Association of America, American Association for the Advancement of Science (elected Fellow), American Association of Physical Anthropologists, Human Biology Association, Society for the Study of Social Biology

Research proposals reviewed (last 5 years) for:

National Science Foundation, A.W. Mellon Foundation, National Geographic Society, Wenner-Gren Foundation

Journal articles reviewed for:

American Anthropologist, Amer. J. Physical Anthro., Human Ecology, Annals of Human Biology, Collegium Antropologicum, Demography, Human Biology, Current Anthropology, Science, Amer. J. Human Biology, Biodemography and Social Biology, Human Nature, Journal of Anthropological Archaeology, Yearbook of Physical Anthropology, Global Environmental Change, Proceedings of the Royal Society B, Human Organization, Social Science and Medicine, BioScience, PLOS ONE

University service (recent)

2013-2018 UNC Delegate, Organization for Tropical Studies

2013-2018 Director's Council, Carolina Population Center

2012-present Advisory Committee, Dept. of African, Afro-American and Diaspora Studies

2008-2017 Executive Advisory Committee, Curriculum for the Environment and Ecology

2005-2019 Advisory Board, African Studies Center, UNC-CH