

**CURRICULUM VITAE – DOUGLAS E. CREWS**

Department of Anthropology and School of Public Health  
The Ohio State University  
4034 Smith Laboratory - 174 W. 18th Avenue  
Columbus, Ohio 43210  
614-292-1329 [Crews.8@osu.edu](mailto:Crews.8@osu.edu)

- Ph.D. 1985 Anthropology The Pennsylvania State University Dissertation: Mortality, Survivorship and Longevity in American Samoa 1950 to 1981.  
M.A. 1980 Anthropology: Minor Statistics The Pennsylvania State University  
Thesis: Mortality Related to Cardiovascular Disease and Diabetes Mellitus in a Modernizing Population.  
B.A. 1976 Anthropology with Distinction: Minor Biology, The Pennsylvania State University

**PROFESSIONAL EXPERIENCE:**

- 2005-Present: Professor, Department of Anthropology and School of Public Health, The Ohio State University  
1996-2005: Associate Professor, Department of Anthropology and School of Public Health The Ohio State University  
1991-1995: Assistant Professor Department of Anthropology and Department of Preventive Medicine The Ohio State University  
1990-1991: Assistant Professor Department of Epidemiology Loyola University Medical School  
1988-1990: Research Scientist Assistant Professor Department of Community Health and Preventive Medicine Northwestern University Medical School, Adjunct Assistant Professor Department of Anthropology Northwestern University  
1987-1988: Postdoctoral Fellow, Cardiovascular Epidemiology, Biostatistics, Nutrition, Prevention, National Heart, Lung and Blood Institute Department of Community Health and Preventive Medicine, Northwestern University Medical School  
1987: Adjunct Instructor, Department of Anthropology, Florida State University  
1985-1987: Postdoctoral Fellow, Demography of Aging, National Institute on Aging, Center for the Study of Population, Florida State University  
1984-1985: Research Associate, The Louisville Longitudinal Longevity Program, Department of Biochemistry, University of Louisville School of Medicine  
1981-1984: Predoctoral Fellow, National Institute on Aging Interdisciplinary Training Fellowship in Gerontology, The Pennsylvania State University

**PUBLICATIONS: Referred Articles:**

1. Crews DE, PC MacKeen. Morality related to cardiovascular diseases and diabetes mellitus in a modernizing population. *Social Science and Medicine*. 16:175-81, 1982.

2. Crews DE. Body weight, blood pressure and the risk of total and cardiovascular mortality in an obese population. *Human Biology*. 60: 417-33, 1988.
3. Crews DE. Multiple causes of death and the epidemiological transition in American Samoa. *Social Biology* 60 (3-4):198-213, 1988.
4. Crews DE, JD Pearson. Cornell medical index responses and mortality in a Polynesian population. *Social Science and Medicine*. 27(12): 1433-37, 1988.
5. Pearson JD, DE Crews. Evolutionary, biosocial, and cross-cultural perspectives on the variability in human biological aging. *American Journal of Human Biology*. 1(3): 303-06, 1989.
6. Crews DE. Cause specific mortality, life expectancy, and debilitation in aging Polynesians. *American Journal of Human Biology*. 1(3): 347-53, 1989.
7. Crews DE. Multivariate prediction of total and cardiovascular mortality in an obese Polynesian population. *American Journal of Public Health*. 79(8): 982-86. 1989.
8. Mancilha-Carvalho JJ, DE Crews. Lipid profiles of Yanomami Indians in Brazil. *Preventive Medicine*. 19(1): 66-75, 1990
9. Crews DE. Multiple causes of death, chronic diseases, and aging. *Collegium Antropologicum*. 14(2): 197-204, 1990.
10. Crews DE, MI Kamboh, JR Bindon, RE Ferrell. Genetic studies of human apolipoproteins XVII: population genetics of apolipoprotein polymorphisms in American Samoa. *American Journal of Physical Anthropology*. 84(2): 165-70, 1991.
11. Crews DE, JR Bindon. Ethnicity as a taxonomic category in biomedical and biosocial research. *Ethnicity & Disease* 1(1):42-49, 1991.
12. Crews DE, J Stamler, AR Dyer. Conditions other than underlying cause of death listed on death certificates provide useful information. *Epidemiology*. 2(4): 9-16, 1991.
13. Bindon JR, DE Crews, W Dressler. Lifestyle, modernization, and adaptation among Samoans. *Collegium Antropologicum*. 156(1): 101-10, 1992.
14. Crews DE, J Smith-Ozeran. Historical demographic and epidemiological studies of aging: examples from American Samoa. **American Journal of Human Biology**. 4(1): 9-16, 1992.
15. Crews DE, JR Bindon, MI Kamboh. Apolipoprotein polymorphisms and phenotypic variability in American Samoans: preliminary data. *American Journal of Human Biology*. 5(1): 39-48, 1993.
16. Bindon JR, DE Crews. Changes in some health, status characteristics of American Samoa men: a 12-year follow-up study. *American Journal of Human Biology*. 5(1): 31-38, 1993.
17. Crews DE, MI Kamboh, JJ Mancilha-Carvatho, B Kottke. Population genetics of apolipoprotein E, A-IV, and H polymorphisms and effects on lipids, lipoproteins, and carbohydrate metabolism in Yanomami Indians of northwestern Brazil. *Human Biology*. 65(2): 211-24, 1993.
18. Crews DE. Cultural lags in social perceptions of the aged. *Generations*. 17(2): 29-33, 1993.
19. Crews DE. Biological aging. *Journal of Cross-Cultural Gerontology*. 8: 281-90, 1993.
20. Crews DE. Biological anthropology and human aging: some current directions in aging research. *Annual Review of Anthropology Volume 22*: 395-423, 1993.

21. Crews DE, JJ Mancilha-Carvalho. Structural modeling of blood pressure in Yanomami Indians of northwestern Brazil. *Ethnicity & Disease*. 3(4): 362-71, 1993.
22. Crews DE, SR Losh. Structural modeling of blood pressure in Samoans. *Collegium Antropologicum*. 18(1): 101-13, 1994.
23. Crews DE, JR Bindon. Ethnicity as a taxonomic tool in biomedical and biosocial research. *Ethnicity & Disease*. 1(1): 42-49, 1994.
24. Fitton L, DE Crews. Glucose measurement in field situations: comparison of portable monitoring devices and chemistry analyzers. *Collegium Antropologicum*. 18(1): 45-51, 1994.
25. Crews DE. Human population biology and human variation in health and Disease. *Collegium Antropologicum*. 18(1): 1-5, 1994.
26. Barley J, A Blackwood, N Carter, DE Crews, JK Cruickshank, S Jeffery, AG Ogunlesi, GA Sahnelta. Angiotensin converting enzyme insertion/deletion polymorphism- association with ethnic origin. *Journal of Hypertension*. 12(8): 955-57, 1995.
27. Silva HP, DE Crews, WA Neves. Subsistence patterns and blood pressure variation in two rural "Cabocolo" communities of Marajo, Para, Brazil. *American Journal of Human Biology*. 7(4): 535-42, 1995.
28. Easton RD, DA Merriwether, DE Crews, RE Ferrell. Mitochondrial DNA variation in the Yanomami: evidence for additional new world founding lineages. *The American Journal of Human Genetics*. 59: 213-25, 1996.
29. Lasker GW, DE Crews. Behavioral influences on the evolution of human genetic variation. *Molecular Phylogenetics and Evolution*. 5(1): 232-240, 1996.
30. Crews DE. Human variation in health and disease: the transdisciplinary view of human population biology. *Collegium Anthropologicum*. 21(1):1-2, 1997.
31. Crews DE. Aging and gerontology: a paradigm of transdisciplinary research. *Collegium Anthropologicum*, 21(1): 83-92, 1997.
32. Bindon JR, A Knight, WW Dressler, DE Crews. Social context and psychosocial influences on blood pressure. *American Journal of Physical Anthropology*. 103(1): 7-18, 1997.
33. Crews DE. Human biology and aging: recent advances and new directions. *American Journal of Human Biology*. 10(5): 407-408, 1998.
34. Crews DE, GJ Harper. Renin, ANP, ACE Polymorphisms, blood pressure and age in American Samoans: preliminary data. *American Journal of Human Biology*. 10(5): 439-49, 1998.
35. Crews DE, HP Silva. Seasonality and human adaptation: current reviews and trends. *Reviews in Anthropology*. 27(1); 1-15, 1998.
36. Crews DE, SL Williams. Molecular aspects of blood pressure regulation. *Human Biology*. 71(4): 475-503, 1999.
37. Al-Kandari Y, DE Crews, FE Poirier. Length of marriage and its effect on spousal concordance. *American Journal of Human Biology*. 14(1): 1-8, 2002.
38. Ice GJ, GD James, DE Crews. Diurnal blood pressure patterns in long-term care settings. *Blood Pressure Monitoring*. 7:105-09, 2002.
39. Al-Kandari Y, DE Crews, FE Poirer. Consanguinity and spousal concordance in Kuwait. *Collegium Antropologicum*. 26 (Suppl): 1-13, 2002.

40. Crews DE, LJ Gerber. Reconstructing life histories of hominids and humans. *Collegium Antropologicum*. 27(1): 7-22, 2003.
41. Ice GH, GD James, DE Crews. Blood pressure variation in the institutionalized elderly. *Collegium Antropologicum*. 27(1): 7-22, 2003.
42. Crews DE, LJ Fitton, MI Kamboh, B Kottke. Population genetics of apolipoproteins A-IV, E and H, and the angiotensin converting enzyme (ACE): associations with lipids and apolipoproteins in American Samoans. *American Journal of Physical Anthropology*. 124(4): 364-72, 2004.
43. Crews DE. Artificial environments and an aging population: designing for age-related functional loss. *Journal of Physiological Anthropology and Applied Human Sciences*. 24(1):103-09, 2005.
44. Silva HP, GD James, DE Crews. Blood pressure, seasonal body fat, heart rate and ecological in Cabocolo populations of the Brazilian Amazon. *American Journal of Human Biology*. 18(1): 10-22, 2006.
45. Crews DE, S Zavotka. Aging, disability, and frailty: implications for universal design. *Journal of Physiological Anthropology*. 25(1): 113-118, 2006.
46. Crews DE. Physiological anthropology, human biology, and modern human variation. *Journal of Physiological Anthropology*. 25(1): 63-65, 2006.
47. Larke A, DE Crews. Parental investment, late reproduction, and increased reserve capacity are associated with longevity in humans. *Journal of Physiological Anthropology*. 25(1): 119-131, 2006.
48. Silva HP, DE Crews. Ecology of children's growth: an example from transitional populations of the Brazilian Amazon. *International Journal of Anthropology*. 21:92-109, 2006.
49. Crews DE. Senescence, Aging and Disease. *Journal of Physiological Anthropology*. 26(3): 365-372, 2007.
50. Bindon JR, WW Dressler, MJ Gilliland, DE Crews. A cross-cultural perspective on obesity and health in three groups of women: The Mississippi Choctaw, American Samoans, and African Americans. *Collegium Antropologicum*. 31(1): 47-54, 2007.
51. Crews DE. Assessing composite estimates of stress in American Samoans. *American Journal of Physical Anthropology*. 133(3): 1028-34, 2007.
52. Reitsema LJ, DE Crews, M Polcyn. Preliminary evidence for medieval Polish diet from carbon and nitrogen stable isotopes. *Journal of Archaeological Science* 37: 1413-1423, 2010.
53. Al -Kandari Y, DE Crews. The effect of consanguinity on congenital disabilities in the Kuwaiti population. *Journal of Biosocial Sciences* 43: 65-73, 2011
54. Reitsema LJ, DE Crews. Oxygen isotopes as a biomarker for sickle cell disease? Results from transgenic mice expressing human HbS genes. *American Journal of Physical Anthropology*. 145(3):495-498, 2011.
55. Crews DE, H Harada, K Aoyagi, T Maeda, A. Alfarano, Y Sone, Y Kusano. A pilot study of allostatic load among elderly Japanese living on Hizen-Oshima island. *International Journal of Physiological Anthropology*. 31:18-29, 2012.
56. Leahy R, Crews DE. Physiological Dysregulation and Somatic Decline among Elders: Modeling, Applying, and Re-Interpreting Allostatic Load. *Collegium Antropologicum* 36(1):11-22, 2012.

57. Vidovic M, Crews DE. Selska Valley Study of Health and Aging: Unraveling senescence, stress and frailty. *Collegium Anthropologicum* 36(1):47-52, 2012.
58. Al -Kandari YY, DE Crews. Social support and health among elderly Kuwaitis. *Journal of Biosocial Sciences* 46(4):518-530, 2013. (doi:10.1017/S0021932013000576; IF = 1.056).
59. Al-Kandari YY, DE Crews. Age, social support and health among older Kuwaitis. *Quality in Ageing and Older Adults* 15(3):171-184, 2014.
60. Crews DE, Lawson A. International Migration, Population Structure, and Economic Development in American Samoa. *Migration and Development* 3(1): 1-17, 2014.
61. Vidovic M, Sharron G, Crews DE. Correlates of frailty among aging residents of upper Selska valley villages under Ratitovec Mountain. *Collegium Anthropologicum*, 39(2):297-306, 2015.
62. Kusano Y, Crews DE, Iwamoto A, Sone Y, Aoyagi K, Maeda T. Allostatic load differs by sex and diet, but not age in older Japanese from the Goto Islands. *Annals of Human Biology* 43(1):34-41, 2016.
63. Edes A, Wolfe B, Crews DE. Assessing stress in Western lowland gorillas (*Gorilla gorilla gorilla*) in human care using allostatic load. *International Journal of Primatology* 37:241–259, 2016.
64. Edes A, Wolfe B, Crews DE. Rearing history and allostatic load in adult Western lowland gorillas (*Gorilla gorilla gorilla*) in human care. *Zoo Biology* 35:167–173, 2016.
65. Al-Kandari Y, DE Crews. Health varies by gender and sociological characteristics among elderly Kuwaitis. *Journal of Social Sciences* 44(1):9-36, 2016
66. Marklein KE, Leahy RE, Crews DE. In sickness and in death: Assessing frailty in human skeletal remains. *American Journal of Physical Anthropology*, 161(2): 208-225, 2016.
67. Al-Kandari Y, Crews DE. Spousal influences on health and well-being of older Kuwaiti men and women. *Journal of Biosocial Sciences* 49(4):509-526, 2017.
68. Edes AN, Crews DE. Allostatic load and biophysical anthropology. *American Journal of Biological Anthropology Yearbook* 162(S63):44-70, 2017.
69. Reitsema LJ, Kozłowski T, Crews DE, Katzenberg MA, Chudziak W. Resilience and Local Dietary Adaptation in Rural Poland, AD 1000-1400. *Journal of Anthropological Archaeology*, 45:38-52, 2017
70. Marklein KE, Crews DE. Frail or Hale: Skeletal Frailty Indices in Medieval London Skeletons. *PLoS ONE* 12(5): e0176025.2017
71. Edes AN, Wolfe, B.A., Crews, D.E. Evaluating allostatic load: A new approach to measuring long-term stress in wildlife. *J Zoo Wildl Med* 49(2):272-282, 2018
72. Edes AN, Wolfe BA, Crews DE. The first multi-zoo application of an allostatic load index to western lowland gorillas (*Gorilla gorilla gorilla*). *General and Comparative Endocrinology*, 2018
73. Tuggle AC, Cohen J, Crews DE. Migration and allostatic load: A model based on Mexican migrants to the United States. *Journal of Physiological Anthropology* 37(28), 2018.
74. Crews DE, Cohen JH, Kawa NC, Edes AN. Climate change, uncertainty, and allostatic load. *Annals of Human Biology* 46(1):3-16, 2019.

75. Edes AN, Edwards KL, Wolfe BA, Brown JL, Crews DE. Allostatic Load Indices with Cholesterol and Triglycerides Predict Disease and Mortality Risk in Zoo-Housed Western Lowland Gorillas (*Gorilla gorilla gorilla*). *Biomarker Insights*, May 3;15: 1177271920914585, 2020.
76. Edes AN, Wolfe BA, Crews DE. Allostatic load indices composed with different methods and combinations of biomarkers associated with disease and mortality risk in zoo-housed Western Lowland Gorillas (*Gorilla gorilla gorilla*). *Stress* 2020.
77. Tuggle AC, Marklein KE, Crews DE. 2021. Skeletal Frailty at Kaldus, a Medieval Poland Early Piast Dynasty Cemetery. *Collegium Antropol* 45(1):11–23, 2021.
78. Seeley KE, Proudfoot K, Wolfe BA, Crews DE. Assessing allostatic load in ring-tailed lemurs (*Lemur catta*). *Animals* 11, 3074. 2021. IF 3.213.
79. Crews DE. Aging, frailty, and design of built environments. *J Physiol Anthropol*. 41(1):2, 2022.
80. Al-Kandari, Y. & Crews, DE. Frailty and Allostatic Load as a Contemporary Aspects in Study of Elderly in Kuwait Society. *Social Science Journal*. (Arabic), in press 2022.
81. Marklein KE, Crews DE. Highs and lows of frailty: skeletal frailty differentials among socioeconomic groups in London. *Archaeological and Anthropological Sciences*, 14 (3), 1-22, 2022. IF 1.989
82. Edes AN, Al-Kandari Y, Znidarsic KA, Crews DE. Individual measures of social support may have limited impact on physiological parameters among elderly Kuwaitis. *Am J Human Biology* 34(3): 2022.

**Submitted:**

- Crews DE. Biocultural Interactions: Stress, Allostasis, Frailty and Environment. *J Physiological Anthropology*. 2021. IF 2.45
- Arbogast D, Ely JJ, McGraw S, Crews DE. Survival and mortality of captive former biomedical research chimpanzees (*Pan troglodytes*). *American Journal of Primatology* 7/22. IF 2.371

**In Preparation:**

- Crews DE, Jeszka J, Hummel D, Woźniewicz M, Sone Y. Allostatic load covaries with residential location, social factors, and demographics, among elders in rural and urban Poland (*Social Science & Medicine*)
- Marklein KE & Crews DE. Reconsidering pathos in palaeopathology: How skeletal frailty and age reflect resilience in historical skeletons
- Marklein KE, Bews E (graduate student), Crews DE. Strength in frailty: Interpreting skeletal frailty and resilience in catastrophic and attritional burial contexts from Roman period Oymağaç, Turkey
- Tuggle AC (graduate student), Crews DE. Ethical considerations in biocultural research with vulnerable communities - added value with community-engaged methodology
- Frazier REM (graduate student), Crews DE, Marklein KE. Combating frailty: Application of a modified skeletal frailty index to forensic anthropology contexts

### **Books:**

- Biological Anthropology and Aging: Perspectives on Human Variation over the Life Span. DE Crews and RM Garruto (eds.), Oxford University Press: New York, 1994.
- Human Senescence: Evolutionary and Biocultural Perspectives. Cambridge University Press: New York, 2003.
- Biological Anthropology: Custom Publishing Pearson Learning Solutions. Associate Editor Online Publishing. J Cohen, DE Crews, J Stewart (eds.), 2011.
- Anthropology and Public Health. M. Vidovic & DE Crews (eds.). National Institute of Public Health, Ljubljana, Slovenia, 2016.
- Biological Anthropology Laboratory Manual. Clark M, Lagan E, O'Hara M, Hubbe M, Crews DE. Top Hat: online publisher, 2021.
- Stress, Human Variation and Aging. Cambridge University Press or Springer both have offered to review prospectus. In preparation.

### **Book Chapters:**

1. Smyer MA, DE Crews. "Developmental" intervention: demographic and economic change as a context for intervention. In: ML Machi and DA Kleiber (eds.) Motivation and Adulthood. Greenwich, CN: JAI Press, pp. 185-215, 1985.
2. Baker PT, DE Crews. Mortality patterns and some biological predictors. In: PT Baker, JM Hanna and TS Baker (eds.). The Changing Samoans: Behavior and Health in Transition. Oxford, England: Oxford University Press, pp. 93-122, 1986.
3. James CD, DE Crews, JD Pearson. The sympathetic-adrenal response-to stress: methodological issues and adaptational significance. In: MA Little and JD Hass (eds.) Human Population Biology: A Transdisciplinary Science. Oxford, England: Oxford University Press, pp. 280-295, 1989.
4. McGarvey ST, JR Bindon, DE Crews, DE Schendel. Modernization and human biology: ecological and adaptive perspectives on adiposity and chronic disease. In: MA Little and JD Hass (eds.) Human Population Biology A Transdisciplinary Science. Oxford, England: Oxford University Press, pp. 260-279, 1989.
5. Crews DE. Anthropological issues in biological gerontology. In: Robert L. Rubinstein (ed.) Anthropology and Aging: Comprehensive Reviews. Dordrecht, The Netherlands: D. Reidel Publishing Co., pp. 11-38, 1990.
6. Bindon JR, DE Crews. Biocultural responses to modernization: lessons from Samoa. Human Ecology and Anthropology: Lessons for the 21st Century. Lectures. Zagreb: Institut za Medicinska Istrazivanja i Medicinu Rada. pp.103-115, 1990.
7. Crews DE, GD James. Human evolution and the genetic epidemiology of chronic degenerative diseases. Applications of Biological Anthropology to Human Affairs, CGN Mascie-Taylor, G Lasker (eds), Cambridge Studies in Biological Anthropology, pp. 185-206, 1991.
8. Crews DE. Obesity and diabetes. In Confronting Critical Health Issues of Asian and Pacific Islander Americans. N Zane, D Takeuchi, KNJ Young (eds), Sage Publications Inc.: Thousand Oaks, CA. pp. 174-208, 1994.
9. Crews DE, L Gerber. Why are chronic degenerative diseases and aging related? In Biological Anthropology and Aging: Perspectives on Human Variation Over the

- Life Span. DE Crews and Garruto RM, eds. Oxford University Press: New York, pp. 154-181, 1994.
10. Crews DE, RM Garruto. Prologue: human aging - a paradigm of transdisciplinary research. In Biological Anthropology and Aging: Perspectives on Human Variation Over the Life Span. Crews DE and Garruto RM, eds. Oxford University Press: New York, pp. vii-xiv, 1994.
  11. Garruto RM, DE Crews. Epilogue: human aging - the scientific relevance of transdisciplinary approaches. In Biological Anthropology and Aging: Perspectives on Human Variation Over the Life Span. Crews DE and Garruto RM, eds. Oxford University Press: New York, pp. 434-436, 1994.
  12. Crews DE. Cultural lags in social perceptions of the aged. Changing Perceptions of Aging and the Aged. D Shank and WA Achenbaum (eds.), Springer: New York, pp. 45-54, 1994.
  13. Crews DE, H Balcazar. Exploring family and health relationships: the role of genetics, environment, and culture. Handbook of Marriage and the Family, Second Edition. MB Sussman, SK Steinmetz, GW Peterson (eds.), Plenum Press: New York, pp. 613-631, 1999.
  14. Gerber LM, DE Crews. Evolutionary perspectives on chronic diseases: changing environments, life styles, and life expectancy. Evolutionary Medicine. WR Trevathan, JJ McKenna, N Smith (eds.), Oxford University Press: New York, Chapter 18, pp. 443-469. 1999.
  15. Harper GJ, DE Crews. Aging, senescence, and human variation. Textbook of Human Biology: An Evolutionary and Biocultural Perspective, S Stinson, B Bogin (eds.), Wiley-Liss: New York pp.465-505, 2000.
  16. Merriwether DA, BM Kemp, DE Crews, JV Neel. Gene flow and genetic variation in the Yanomami as revealed by mitochondrial DNA. America Past, America Present: Genes and Languages in the Americas and Beyond. C. Renfrew (ed.), McDonald Institute for Archaeological Research: Cambridge, pp. 89-124, 2000.
  17. Gerber LJ, DE Crews. Chronic degenerative diseases and human evolution. In: Medicina Darwiniana L'Approccio Evoluzionista alla Malattia. Stefano Canali, Gilberto Carbellini (eds.), Apeiron Editoria Comunicazione SRL: Italy, 2003.
  18. Crews DE. Evolutionary perspectives on human longevity and frailty. Longevity and Frailty. J-M Robine, J. Carey, Y. Christen, J-P. Michel (eds.) Springer-Verlag: Paris, pp. 57-65, 2005.
  19. Crews DE. Unraveling senescence, aging, and diseases and assessing senescent change. Strategy for the ageing society: the possibilities of human life science. The Proceedings of the 13<sup>th</sup> Osaka City University International Symposium. pp. 45-48, 30 October – 1 November 2005.
  20. Ossa K, DE Crews. Biological and genetic theories of the process of aging throughout life. Human Clocks: The Bio-Cultural Meanings of Age. C Sauvain-Dugergil, H Leridon, N Mascie-Taylor (eds.), International Union for the Scientific Study of Population: Liege, Belgium, pp. 61-84, 2006.
  21. Crews DE, LJ Gerber. Genes, geographic ancestry, and disease susceptibility: applications of evolutionary medicine to clinical settings. In: Evolutionary Medicine and Health: New Perspectives. WR Trevathan, EO Smith, JJ McKenna, (eds.) Oxford University Press: New York, pp.368-381, 2008.



22. Crews, DE. Co-evolution of human mating strategies, culture and longevity. Aging Related Problems in Past and Present Populations. Eva Bodzsar and C Sussanne (eds.) Plantin Publ. & Press Ltd.: Budapest, Hungary, pp. 9-25. 2008.
23. Crews DE, B Bogin. Growth, development, senescence, and aging: a life history perspective. In: A Companion to Biological Anthropology. C. Larsen, ed. pp. 128-152, 2010.
24. Crews DE, J Stewart. Human longevity and senescence. Human Evolutionary Biology. M P. Muehlenbein (ed.) Cambridge University Press: New York, pp 528-550, 2010.
25. Crews DE, G Li. Senescence, aging, life span, frailty, disability and diseases in Chinese populations: trends and prospects. Aging in Perspective and the Case of China: Issues and Approaches. Sheying Chen (ed.), New York: Nova Science Publishers, Inc. pp. 189-212, 2011.
26. Crews DE, GJ Ice. Aging, senescence and human variation. Human Biology: An Evolutionary and Biocultural Perspective, 2<sup>nd</sup> Edition. S Stinson, B Bogin, and D. O'Rourke (eds.), Wiley-Blackwell: New York, pp. 637-602, 2012.
27. Crews DE. Stress, Stress Responses, Aging and Longevity. In: Wyzwania współczesnej geriatry i gerontologii [Challenges in contemporary geriatrics and gerontology]. Editors. 2014.
28. Crews, DE. Senescence and obesity. In: Anthropology and Public Health. M. Vidovic & DE Crews, Editors. National Institute of Public Health, Ljubljana, Slovenia, pp 219-251, 2016.
29. Tuggle A, Crews DE. Migration, stress, and physiological dysregulation. In: Handbook of Culture and Migration. I Sirkeci & J Cohen, Editors. Edward Elgar Publishing, Inc. Cheltenham, United Kingdom, 2020.
29. Crews DE, Marklein KE. Conceptualizing frailty in the quick and the dead. In: BM Howell & R Harrod, Editors: Anthropological Perspectives on Aging. Peer reviewed, in press, 2022.
30. Crews DE, Bogin B. Human life history evolution: growth, development, and senescence. In: Clark Larsen, Editor: A Companion to Biological Anthropology, in post-review editing, expected 2020-23.

**Proceedings:**

- Severson LD, DE Crews, RW Lang. Application of SSP/ARMS to HLA class loci in Samoans. Proceedings of the Twelfth International Histocompatibility Workshop and Conference. pp. 170-72, 1997.
- Crews DE. Design and the elder phenotype: anthropometry, muscle loss, and disability. Human Diversity: Design for Life, 9<sup>th</sup> International Congress of Physiological Anthropology: Proceedings. Delft, Netherlands 22-28 August 2008, pp. 39-42. Faculty of Industrial Design Engineering, Delft University of Technology: The Netherlands, 2009.
- Iwamoto A, Sone Y, Kusano Y, Aoyagi K, Maeda T, Crews DE. Allostatic load and dietary life of the elderly living on island of Nagasaki Prefecture. Japanese Journal of Physiological Anthropology, Vol. 17, Special Edition (1), Proceedings of the 66th Meeting of the Japanese Society of Physiological Anthropology, pp. 40-41, 2012.

Crews DE. Stress, Stress Responses, Aging and Longevity. Conference Proceedings: Challenges of Contemporary Geriatrics and Gerontology. K Sawinskiego (ed.) Wydawca: Poznan, Poland, pp 7-36, 2014

### **Book Reviews:**

1. Anthropology and Epidemiology: Interdisciplinary Approaches to the Study of Health and Disease. *Am J Hum Biol*, 1(1):118-120, 1989.
2. *Centenarians in Hungary: A Sociomedical and Demographic Study*. (Interdisciplinary Topics in Gerontology Number 27) *Ann Hum Biol*, 18(6):529-530, 1991.
3. *Ethnicity and Aging*. *Ethnicity & Disease*, 2(1):96-97, 1992.
4. *Symposium: Obesity and Cardiovascular Diseases in Minority Population*. *American Journal of Clinical Nutrition*. 2(2):194-195, 1992.
5. *Spatial Epidemiology*. *Annals of Human Biology*, 19(5):533-534, 1992.
6. *What Happens to Former Athletes?* *American Journal of Human Biology*. 5:365-366, 1993.
7. *Anthropology and Aging: A Partially Annotated Bibliography*. *Human Biology*. 65(4): 675-676, 1993.
8. *Longevity, Senescence, and the Genome*. *American Journal of Human Biology*. 7(5): 688-670, 1995.
9. *Perspectives in Human Biology, Volume 1: Genes, Ethnicity and Aging*. *American Journal of Human Biology*. 10(1): 98-101, 1998.
10. *Molecular Aspects of Aging*. *Human Biology*. 70(3): 631-638, 1998.
11. *Legal and Healthcare Ethics for the Elderly*. *Journal of Biosocial Sciences*. 30:561-562, 1998.
12. *A Means to an End: The Biological Basis of Aging and Death*. *Human Biology*. 73(6): 897-901, 2001.
13. *Biology of Aging: Principles and Observations*. *American Journal of Human Biology*. 13(4): 560-562, 2001.
14. *Measuring Stress in Humans: A Practical Guide for the Field*. *American Journal of Physical Anthropology*, 138(2):240-241, 2009.
15. *Early Life Conditions and Rapid Demographic Changes in the Developing World*. *American Journal of Human Biology* 27(1): 2014. With AJ Lawson.
16. *Genomes, Evolution, and Culture*. *Am J Hum Biol* 29(5): 2017.
17. *What is Health? Allostasis and the Evolution of Human Design*. Peter Sterling. The MIT Press. 2019. *Am J Hum Biol* Nov15:e23698 2021.

### **Research Reports:**

1. Longevity and Mortality in American Samoa. Association for Anthropology and Gerontology Newsletter. 6(4):5-6, 1985.
2. Glycation and Aging. Association for Anthropology and Gerontology Newsletter. 11(4): 4-5, 1990.
3. Diabetes and Obesity: A 20<sup>th</sup> Century Epidemic in Asian/Pacific Islander Americans. Health Wire. Scientist's Institute for Public Information. April 1993.

### **Encyclopedia Entries:**

1. Pearson ID, DE Crews. **Aging and Biological Anthropology**. History of Physical Anthropology: An Encyclopedia. FE Spencer (ed.) Garland Press: New York. 43-47, 1997.
2. Crews DE, GA Harper. **Aging as Part of the Developmental Process**. Cambridge Encyclopedia of Human Growth and Development. SJ Ulijaszek, FE Johnston, MA Preece (eds). Cambridge University Press: New York, p. 425-427, 1998.
3. Pearson JD, DE Crews. **Programmed Cell Death: Apoptosis**. Cambridge Encyclopedia of Human Growth and Development. SJ Ulijaszek, FE Johnston, MA Preece (eds). Cambridge University Press: New York, p. 431, 1998.
4. Crews DE. **Postnatal Development**. Museum of Comparative Anthropogeny (MOCA), Center for Academic Research Training in Anthropogeny (CARTA), University of California San Diego, 2009.
5. Crews DE. **Paul T. Baker**. International Encyclopedia of Biological Anthropology, 2018. DOI: 10.1002/9781118584538
6. Crews DE. **Senescence & Aging**. International Encyclopedia of Biological Anthropology. 2018. DOI: 10.1002/9781118584538
7. Crews DE. **Senescence**. Encyclopedia of Evolutionary Psychological Sciences: Article 2356-1, 2019.

#### **SYMPOSIA AND CONFERENCES ORGANIZED:**

1. **Biological Anthropology and Aging: Cross-cultural and Biomedical Studies**, 40th Annual Scientific Meeting of the Gerontological Society of America. 18 22 November 1987.
2. **Statistical Methods in Biological Anthropology: Concepts, Developments, and Limitations**, 59th Annual Scientific Meeting of the American Association of Physical Anthropologists. 4 7 April 1989.
3. **Human population biology and human variation in health and disease**, Inter-University Centre, Dubrovnik, Croatia. June 1993.
4. **Human Biology and Aging: Recent Advances and New Directions for Research**, Plenary Session and Symposium at the 20th Annual Scientific Meeting of the Human Biology Council, Oakland, CA. 28 29 March 1995.
5. **Human Variation in Health and Disease: The Transdisciplinary Perspective of Human Population Biology**, Inter University Centre, Hvar, Croatia, Anthropology and Health. 23 26 June 1996.
6. **Biological Anthropology of Aging: Theoretical Approaches and Current Directions**, Presented at the annual meetings of the American Association of Anthropologists. November 1999.
7. **Populations in Transition: Health, Reproduction, and Life Span in a Changing World**. XV ICAES 2K3, Session 26. 5-12 July 2003.
8. **Humantogeneses, Co-chair at the Gesellschaft für Anthropologie e.V.** "Anthropologie der Geschlechter", Potsdam University, Germany. September 2003.
9. **At the Interface of Biology and Cultural: Biocultural Models in Human Biology**. Plenary Session of the Human Biology Association, Milwaukee, WI. 6-7 April 2005.

10. **Health and Well-Being of the Elderly.** Mini-session 1 at the 13th Osaka City University International Symposium "Strategy for the Aging Society: The Possibilities of Human Life Science.", Osaka, Japan session at the 8th International Congress of Physiological Anthropology. 30 October – 1 November 2005.
11. **Anthropology and Preventive Medicine,** Session co-organizer and co-chair with Dr. Maruska Vidovic at the 4th Slovenian Congress of Preventive Medicine, Portoroz, Slovenia. 17-19 May 2007.
12. **Senescent Biology, Age-Related Disease and the Evolutionary Biology of Human Longevity.** Anthropology and Health Croatian Anthropological Society in Hvar, Croatia. July 2007.
13. **Adaptations to Natural and Artificial Environments: Studies in Physiological Anthropology.** 2008 Annual Meetings of the American Association of Physical Anthropologists. 9-13 April 2008.
14. **Evolution Theory, Life History, and Human Longevity:** A Conference. Funded by Wenner-Gren, The Ohio State University. 5-7 February 2009.
15. **Workshop on American Indians,** The Ohio State University. 22-24 April 2010
16. **11th International Congress of Physiological Anthropology,** President and Local Arrangements Chair, Banff, Alberta Canada August 2013.

#### **GRANT PROPOSALS –FUNDED/RECENT SUBMISSIONS:**

1. "Homeless Elderly in Leon Co., Florida" with Janet P. Barber, funded by the Center on Gerontology, Florida State University, \$1,500. May 1987.
2. "Multiple-Cause Mortality among Aging Samoans" funded by the National Institute on Aging, Northwestern University Medical School, \$77,246 direct costs. September 1988.
3. "Plasma Glucose, Apolipoproteins, and Genetic Polymorphisms in Yanomamo Indians of Brazil," funded by Wenner-Gren Foundation for Anthropological Research, Inc., \$9,500 direct costs. 3 December 1989.
4. "Minority High School Student Research Apprentice Program," funded by Biomedical Research Support Program, National Center for Research Resources, \$15,000 direct costs. 1 March 1991.
5. "Population Genetics of Apolipoprotein Polymorphisms in Samoa and Associations with Lipids, Apolipoproteins, and Body Habitus," funded by The Ohio State University Seed Grant Program, \$19,998 direct costs. 20 December 1991.
6. "Modernization and Hyperglycemia in Three Communities of Brazilian Blacks," Wenner-Gren Foundation for Anthropological Research, \$12,000 direct costs. 1 November 1991.
7. "Diabetes and Modernization among Samoan Americans: Diabetes Planning Grant," Co-Principal Investigator, \$25,000 direct costs. 1 February 1992.
8. "Molecular Correlates of Aging and Diabetes in Samoan- and African Americans," funded by The Ohio State University Seed Grant Program \$59,400 direct costs. Principal Investigator. 24 February 1993.

9. "To Aid Conference on Biological Anthropology and Aging, 1995, Oakland, CA, in collaboration with Dr. Jay Pearson and Dr. Ralph Garruto," funded by Human Biology Council 19 January 1995.
10. "To Aid Conference on Health, Disease, and Human Variation: transdisciplinary views of human population biology, 1996, Hvar, Croatia, in collaboration with Dr. Paul T. Baker," 29 April 1996.
11. "Ohio State Primary Care Academic Institute," Co-PI 5% Department of Family Medicine, funded September 1999-August 2002.
12. "Energy Balance, Health, and Fecundity Among the Bhutia of Sikkim, India." Wenner-Gren Foundation for Anthropological Research, Inc. \$10,200 (Dissertation Grant, Sharon R. Williams) 1 November 2000- 31 October 2001.
13. "Building Research Capacity: Enhancing Research Productivity," Department of Health and Human Services. PI Mary JoWelker, M.D. – DEC Senior Research Scholar, Genetics, Co-Investigator 10% time, 1 September 2003 – 31 August 2006.
14. Worldview, Perceived Health, Ethnicity and Mortality. National Institute of Health. \$750,000 direct costs, in revision. 1 February 2003.
15. "Evaluation of Allostatic Load for Measuring Senescence in Japanese", Japan Society for the Promotion of Science 2,500,000 Yen (~\$25,000 US), 2004.
16. "Assessing Stress, Frailty, and Health to Unravel Senescence, Aging, and Disease," Slovenian Research Agency, Trg OF 13, SI-1000 Ljubljana, Slovenia, Funded 1 February 2007.
17. Senescent Biology, Age-Related Disease and the Evolutionary Biodemography of Human Longevity. Wenner-Gren Foundation for Anthropological Research Inc., \$5,000. June 2007. Funded.
18. Biophysical Stress and Frailty Among Aging Japanese on Oshima Island. Wenner-Gren Foundation for Anthropological Research Inc. \$25,000 Funded November 2008.
19. Allostatic load and frailty among Kuwaiti elders, with Yagoub Al-Kandari, \$55,000 funded by the Kuwaiti National Research Council, 2012-2015, Funded.
20. Allostatic load among migrant Senegalese in New York, with Rachael Leahy (graduate student). \$18,000, NSF, not funded.
21. Assessing Long-Term Stress in Great Apes, Ashley Edes (graduate student). \$5,969.00, Morris Animal Foundation, Funded.
22. Allostatic load among migrant Senegalese in New York, with Rachael Leahy (graduate student). \$18,658, NSF, not funded.
23. Assessing Long-Term Stress in Great Apes, with Ashley Edes, NSF Proposal Number: 1607488, not funded.

#### **INVITED PRESENTATIONS:**

- Planning for Health Promotion and Disease Prevention in American Samoans: Obesity and Diabetes. Medical Grand Rounds, LBJ Tropical Health Center, PagoPago, American Samoa. 7 August 1992.
- Obesity, Diabetes, and Health among Samoan Americans. Asian American Health Forum, San Francisco, CA. 26 August 1992.

Obesity, Diabetes, and Lifestyle Incongruity in Aging Samoans. University of California at San Francisco, Medical Anthropology Program, 9 December 1992.

Aging and Cultural Change in Samoa, presented at The Ohio State University Summer Institute on Aging. 14 July 1995.

Invited participant, National Asian & Pacific Islander American (APIA) Diabetes Initiative, Honolulu, Hawaii. Association of Asian Pacific Community Health Organizations. 3-4 October 1997.

Symposium Discussant: Current Perspectives in Human Biology Among Tropical Populations in Latin America, Annual Scientific Meeting of the American Association of Physical Anthropology. 1999.

Genetic Epidemiology: Integrating Genetics and Epidemiology. School of Public Health/Preventive Medicine Alumni Society Annual Meeting. 27 September 2002.

Humanotogenese, Co-Chair at the Gesellschaft fur Anthropologie e.V. "Anthropologie dur Geschlechter." Pottsdam University, Germany. September 2003.

Artificial Environments and an Aging Population: dsigning for age-related functional Loss. 21st Century: Century of Engineering Program, International Symposium of Design of Artificial Environments, Kyushu University, Fukuoka, Japan. 2004.

Unraveling Senescence, Aging, and Disease and Assessing Senescence. Institute of Public Health of the Republic of Slovenia, Ljubljana, Slovenia. 26 October 2005.

Anthropology as a Public Health Discipline. Keynote speaker to the Slovenian Congress of Preventive Medicine, Portrose, Slovenia. 17-19 May 2007.

Human Senescence and Longevity: Evolutionary Models, Biological Models, and Biocultural Influences. Alabama Lectures on Life's Evolution. 22 March 2007.

Genetic Epidemiology: Integrating genetics and epidemiology. Slovenian Institute of Public Health, Ljubljana, Slovenia. 18 December 2008.

Biocultural Evolution of Human Longevity, presented at Evolution Theory, Life History, and Human Longevity, A Conference. Funded by Wenner-Gren, The Ohio State University. 5-7 February 2009.

Senescence, Aging, and Long Life, Slovenian Institute of Public Health, Ljubljana, Slovenia. 7 December 2009.

Health Measures, Allostatic Load, and Frailty Among Elderly Residents of Goto Islands, Japan, Fukue Residents Council, Goto Islands. 11 December 2009.

The Molecular Revolution Confirms We Are All One Race, The Ohio State University Multicultural Center's First Annual "We Are All Related Symposium", 24 February 2010.

Race and Culture in the 21st Century: The Sociocultural Basis of Race and the Genetics of disease. American University of the Caribbean. March 25, 2011.

Race, Ethnicity, Culture and Health, American University of the Caribbean. March 24, 2011.

Allostatic load and frailty in anthropological and clinical research on elders and the male-female morbidity-mortality paradox. Presented at the 27<sup>th</sup> Annual International Conference on Anthropology and Health, Dubrovnik, Croatia. 12-16 June 2011, with DR Allman.

Assessing Stress, Frailty and Health to Unravel Senescence, Aging and Disease. Presented at the 27<sup>th</sup> Annual International Conference on Anthropology and Health, Dubrovnik, Croatia. 12-16 June 2011, with M Vidovič.

Allostatic Load as a Predictor of Senescent Decline: Literature Review and Future Perspectives. Presented at the 27th Annual International Conference on Anthropology and Health, Dubrovnik, Croatia. 12-16 June 2011, R Leahy.

Allostatic Load and Frailty: Assessing Stress and Health in Elders. Poznan University of Life Sciences Department of Human Nutrition and Hygiene. Poznan, Poland 24 October 2012.

Senescence and Stress Responses: Assessing Senescence with Allostatic Load and Frailty. Biomedical/Biological Anthropology Program, SUNY-Binghamton, 12 March 2013

Biology and Life Ways: How Stress and Adaptability Structure Allostatic Load and Life Span. 19<sup>th</sup> Congress of the European Anthropological Association 25-29 August 2014, Lomonosov Moscow State University.

From Us to Apes: Assessing Allostatic Load in Gorillas and Skeletal Frailty in Medieval Skeletons. Gerontological Society of America, 19 November 2016, New Orleans, with Ashley Edes & Katherine Marklein.

Worldwide Stressors and Allostatic Load: Climate Change, Social Instability, Migration, and Food Insecurity. Symposium of the Society for the Study of Human Biology & International Association of Physiological Anthropology, Human Biology of Climate Change, 12 -15th September 2017, Loughborough (UK). With Jeffery N. Ashley Edes & Nick Kawa.

Changing environments, uncertainty, and allostatic load. Presented at the 4th International Conference on Evolutionary Medicine, Health and Diseases in Changing Environment, 5-10 June 2018, Vilnius University, Lithuania, with Nick Kawa.

**RESEARCH:**

**Interests:**

Senescence, Life Span, Aging, Frailty	Stress, Adaptation, Allostatic Load
Frailty in Living & Bioarchaeology	Chronic Degenerative Diseases
Evolutionary Biology of Senescence	Biocultural/Ecological Aspects of Health
<b>Sites:</b> Brazil (Yanomami), Ecuador (Cofan), Japan, Poland, Samoa, Slovenia, USA	

**TEACHING:**

Life History Evolution & Aging	Modern Human Variation
Life History: Growth & Development	Evolutionary Medicine
Introduction to Biological Anthropology	Genetic Epidemiology
Biomedical/Biocultural Anthropology	Population Genetics

**ADVISING: Dissertation Committee Chair:**

1. Gillian Harper, 1998: Stress and adaptation among elders in life-care communities.
2. Lori Fitton, 2000: Is acculturation healthy? Biological, cultural, and environmental change among the Cofán of Ecuador.
3. Judith Corr, 2000: The effects of aging on social behavior in male and female Rhesus Macaques of Cayo Santiago.
4. Hilton da Silva, 2001: Growth, development, nutrition and health in Caboclo populations from the Brazilian Amazon.

5. Laura Severson, 2001: HLA, Micro Satellite, and Viral DNA Sequences in American Samoans and Yanomami Indians.
6. Gail Myers, 2002: Sustainable communities: traditions, knowledge, and adaptation among Black farmers in Ohio.
7. Jacqui Robinson, 2003: Sociocultural risk factors of non-insulin diabetes mellitus among African Americans in Central Ohio.
8. Sharon Williams, 2003: Energy, balance, health and fecundity among Bhutia women of Gangtok, Sikkim, India.
9. Shahna Arps, 2007: High fertility in a high-risk environment a biocultural study of maternal health in Honduran Miskito communities.
10. Daniel Tyree, 2010: Environmental change and the physical growth status of Somali children born in the United States. **Outstanding Dissertation in Anthropology 2009-2010.**
11. Laurie Reitsema, 2012: Diet Change in North-Central Poland: Evidence from Stable Carbon and Nitrogen Isotopes. **Outstanding Dissertation in Anthropology 2011-2012.**
12. Rachael Leahy, 2014: Allostatic Load and Senescence among Japanese Elders
13. Ashley Edes, 2018: Assessing Long-Term Stress in Great Apes: Allostatic Load in Western Lowland Gorillas
14. Alexandra Tuggle, ABD, expected 2023

**Dissertation Committee Member:**

Lori Sherran 1993	Robert Woods 1995
Donald Anderson 1996	Janice Gillespie - Nursing 1996
Heather Edgar 1998	Nancy Tatarek 1999
Yagoub Abdullah 1999	Greg Zehner 2000
Carson Reider - Public Health 2001	Tracie McKinney 2010
Joyce Chen 2011	Abigail Hubbard 2012
Michelle Rodrigues 2012	Melissa Clark 2021
Lisa Beiswenger 2019	Mary Beth Cole 2019
Jessica Walz 2016	Seeley, Katie – Vet Med
Julie Margolis	Jennifer Spence 2017
Natalia Zotova 2020	Lexine Trask 2009
Genevieve Ritchie-Ewing 2019	Michelle Rodrigues 2013
Alexis Dzubak 2019	Emily Wolfe 2021
Sutton, Francis	Leigh Oldershaw
Shapiro, Craig	Andrew Mitchell

**Senior Honors Committees:**

- Elizabeth Moore – Anthropology (**Chair**) 1996  
 Christopher Barrett – Anthropology 1998  
 Tabitha Payne – Psychology 1999  
 Elizabeth Daviz – Anthropology (**Chair**) 2001  
 Kelly Clark – Anthropology (**Chair**) 2002  
 Emily Perlow – Anthropology 2002  
 Sloan E. Eberly – Anthropology 2003



Tara Amburgy – Anthropology (**Chair**) 2010  
Jessica Bene – Molecular Genetics 2012  
Lori Koch – Molecular Genetics 2012  
Thushani Ratnarajah – Biology July 2014  
Annie Kyser – Economics April 2015  
Emily Schullar – Anthropology April 2015  
Dov Block – Anthropology (**Chair**) July 2015  
Sam Henry – Neurology (**Chair**) 2016

**Master's Committees:**

Murphy/Preventive Medicine (**Chair**) 1995  
Cindy Zeck/Anthropology 1995  
Maureen Gallagher/Preventive Medicine 1995  
Homani Amini/Public Health (**Chair**), 1996  
Theresa Duren/Public Health (**Chair**) 1996  
Susan Anderson/Public Health 1997  
Amy Creighton/Public Health, 1998  
Hilton DaSilva/Public Health (**Chair**) 1998  
Thomas Waite, Anthropology, 1999  
Michelle (**Chair**) Anthropology 1999  
Jennifer Petterson, Anthropology, 1999  
Dan Brown, Anthropology, 1999  
Andrew Watkins, Anthropology, 2000  
Laurie Michaels (**Chair**), Anthropology, 2000  
Steven Minnich, Anthropology, 2001  
Shana Arps (**Chair**), Anthropology, 2001  
Kristen Cole/Allied Medical Professions 2002  
Jonathon Racster (**Chair**), Anthropology, 2002  
Aimee Larke (**Chair**), Anthropology, 2005  
Erin Wilman (**Chair**), Anthropology, 2006  
Laurie Reitsema (**Chair**), Anthropology, 2008  
Jessica Waltz, (**Chair**), Anthropology, 2008  
Brittany Kyle Anthropology 2008  
Anna Watson Anthropology 2009  
Jessie Goliath Anthropology 2010  
Sophia Ivanova Anthropology 2010  
Lindsey Ardury (**Chair**) Anthropology 2010  
Nidia Chavez Anthropology 2010  
Mary Beth Cole Anthropology 2014  
Genevieve Sharron, Anthropology (**Chair**) 2014  
Julie Margolis, Anthropology 2015  
Selin Nuggent, Anthropology 2015  
Nicole Weiss, Anthropology  
Daryin Hummel, Anthropology (**Chair**) 2018  
Alexandria Tuggle, Anthropology (**Chair**)

### **Undergraduate Student Activities:**

**Katie Znidarsic: 2018 neurosciences graduate.** Participating in research on allostatic load and social support in Kuwait. **Denman presentation:** Social Support and Physiological Dysregulation in Elderly Kuwaitis, 2018. Coauthor published paper Am J Hum Biol 2021.

**Sam Henry: 2016 neurosciences graduate.** Honors Thesis Chair. SBS student research award \$2500: Social and spiritual influences on well-being among Okinawan Centenarians – fieldwork in Okinawa 2 months. **Denman presentation:**

**Rebecca Makii: 2015 pre-vet graduate:** participated in behavioral research on gorillas at the Columbus Zoo and Aquarium, Denman presentation: *What is the relationship between behavior and infection in Western lowland gorillas (Gorilla gorilla gorilla) in human care?*

**Gwendolyn Donley: 2014 anthropology graduate. Denman Presentation:** *Allostatic load varies by genotypes and social factors among American Samoans*, **Best Poster SBS.** Invited presentation at Peoples & Places 2015 Universitas 21, Undergraduate Research Conference University of Auckland, 6-10 July 2015. **One of only four Ohio State University undergraduates invited.** Paper: *Allostatic load varies by genotypes and social factors among American Samoans.* Submitted for publication. MA University of Eastern Finland.

**Dov Block: 2014 anthropology graduate. Honors Thesis Chair. Denman Presentation:** *Blood pressure, glycemia, and body habitus among middle-class African Americans in Central Ohio.*

**Anthony Lawsen: 2014 anthropology graduate.** Denman Presentation: *International Migration, Population Structure, and Economic Development in American Samoa.* Crews DE, Lawsen A. Migration and Development 2014. <http://dx.doi.org/10.1080/21632324.2014.949701>

### **PROFESSIONAL ACTIVITIES:**

#### **EDITORIAL:**

**American Journal of Human Biology:** Editorial Board 2008-2014.

**Guest Editor:** Evolutionary, Biosocial, and Cross-Cultural Perspectives on Aging 1(3), 1989.

**Guest Editor:** Human biology and aging: recent advances and new directions. 10(5), 1998.

**Association for Anthropology and Gerontology (AAGE) Newsletter:**

Editor 1993-1997, Sub-Editor for Physical Anthropology 1989-93.

**Collegium Anthropologicum:** Consulting Editor 1996-present.

**Guest Editor:** Human Population Biology and Human Variation in Health and Disease, June 1994.

**Guest Editor:** Human Variation in Health and Disease: The Transdisciplinary View of Human Population Biology, June 1997.

**Guest Editor:** Biological Anthropology of Aging: Theoretical Approaches and Current Directions, January 2003.

**Ethnicity & Disease:** Associate Editor 1990-92, Book Review Editor, 1990-92, Editorial Board, 1993-2003.

**Human Biology:** Editorial Board 1998-2008.

**Journal of Physiological Anthropology:** Editorial Board 2002-2005; Editor 2005-2017.  
Executive Editor 2017- present.

**Guest Editor:** Physiological Anthropology, Human Biology, and Modern Human  
Variation 25(1): 2006

**Guest Editor:** Bicultural Biocultural Interactions: Stress, Allostasis, Frailty, and  
Environment 2020-2022

**Experimental Gerontology:** Editorial Board 2007-2012.

**Zdravstveno varstvo** (Slovenian Journal of Public Health): Editorial Board 2014-2019.

## **REVIEWER:**

### **Grant Proposals:**

NIMH - Ad Hoc Initial Review Group 1988

NSF - Division of International Programs 1994

NSF - Physical Anthropology 1996

Welcome Fund 1999

NIEHS – Health Disparities: Linking Biological and Behavioral Mechanisms with  
Social and Physical Environment July 2000

Wenner-Gren Foundation for Anthropological Research 1997, 2000, 2004

John Simon Guggenheim Memorial Foundation 2005

NIA – Reverse site visit 2007; Review of RFP 2009

NSF – Physical Anthropology 2010

AAPA Professional Development Grants 2010 (18 applications)

Estonian Research Council 2020: "Health, status and social behavior in Medieval and  
Early Modern society – cues from archaeological human remains".

### **Scientific Journals:**

**Through 2016:** *AGE, American Anthropologist, American J of Human Biology, American J of Physical Anthropology, Ammons Scientific, Annals of Epidemiology, Annals of Human Biology, Biological Research for Nursing, Collegium Anthropologicum, Database, Disability and Rehabilitation, Epidemiology, Biogerontology, Epidemiology, Ethnicity & Disease, Experimental Gerontology, Gender Medicine, Gerontology, Human Biology, Human Ecology, International J of Anthropology, J of Aging Research, Journal of Epidemiology and Community Health, Journal of Palliative Care, J of Physiological Anthropology, Journal of Cross-Cultural Anthropology, J of Cross-Cultural Gerontology, Medical Anthropology, Medical Anthropology Quarterly, Academician, Neuroendocrinology, Neuroepidemiology, Perceptual & Motor Skills, Physiology & Behavior, PLoS One, Preventive Medicine, Reproduction, Fertility and Development Social Science & Medicine, Stress, Yearbook of Physical Anthropology*

**2017:** *Annals of Human Biology (2), Biological Research for Nursing; PLOS; Public Health Reports; Stress*

**2018:** *Annals of Human Biology; Disability and Rehabilitation; Human Ecology (2); Journal of Physiological Anthropology; Reproduction, Fertility and Development*

**2019:** *American Journal of Human Biology (2), Annals of Human Biology (2); Cancer Medicine; Disability and Rehabilitation (3); Human Ecology; Environment, Development and Sustainability (2); Journal of Homosexuality*

**2020:** *American Journal of Human Biology* (2), *Biological Research for Nursing*, *British Medical J Online*, *Evolutionary Human Sciences*, *Philosophical Transactions B RSTB*, *Journal of Racial and Ethnic Health Disparities* (3)

**2021:** *American Journal of Human Biology*, *Annals of Human Biology*, *British Medical Journal*, *Frontiers in Psychology: Evolutionary Psychology*, *Human Ecology*, *Journal of Physiological Anthropology* (2), *Psychoneuroendocrinology* (2), *SAGE Open*

**2022:** *Biological Research for Nursing* (2), *Frontiers in Ecology and Evolution*, *Journal of Physiological Anthropology*, *Psychoneuroendocrinology*.

**SERVICE: Community Engagement:**

"Encounters: Apartheid/Racism in Southern Africa and Columbus, Ohio, Health Issues". OSU Black Studies Community Extension Center. 21-23 October 19, 1993.

"Argentina, Brazil, Chile - Democracy and Market Economics. Upper Arlington Senior Center, Upper Arlington, Ohio, 43221. 12 April 1994.

"Growing Old in the Modern World" at the Fitness Forum. Sponsored by the OSU Medical Center and Office of Geriatrics/Gerontology. 21 February 2002.

"Growing Old in the Modern World" to the Golden Kiwanis of Worthington, Ohio. 4 August 2002.

"Growing Old in the Modern World" Ohio Nurses Forum: Continuing Education. 3 October 2002.

"Toward a Transformative Agenda around Race" Session: "Back to the Future? The Re-emergence of a Biological Conceptualization of Race." 2 December 2007. Kirwan Institute for the Study of Race and Ethnicity Conference on Participant

"The Race in Culture: 20<sup>th</sup>-Century Ethnology and Empire in Comparative Perspective" session "From Physical to Cultural Anthropology?" 1 May 2009. Discussant

"Stress, Stress Responses, Aging and Longevity" Current Events Group at the Upper Arlington Senior Center Tuesday 14 May 2013. Contact: Earl Goldhammer, H) 614-481-9781, (C) 614-296-4201, ekcatfan@aol.com.

**University:**

Committee for Health Sciences and Aging Programs (CHAPS), 1994-present.

Session Organizer, The Ohio State University Summer Institute on Aging "Cross-Cultural Perspectives on Human Aging." 14 July 1995

Commitment to Success Program Advisory Committee. 1996-1999

Maximus Competition Host 2002

Medical Humanities, Diversity and Cultural Affairs, Module on: "Influences of Culture and Race on Health," Annually, in April to First Year Medical Student Class 1999-2002.

Orientation Faculty/Family Discussion Groups 2002.

Presentation Judge at the Ninth Annual Graduate Research Forum for Social and Behavioral Sciences 21 April 1995

Presentation Judge Denman Undergraduate Research Forum – 2002, 2004-2006, 2008-2011

41<sup>st</sup> Annual Graduate and Professional Student Recruitment Initiative 2011 - Host

42<sup>nd</sup> Annual Graduate and Professional Student Recruitment Initiative 2012 – Host Presentation to Honors Students Taylor Tower “Race and Culture in the 21st Century”  
17 November 2012 – organized by Joshua Bauman RA  
Student Life Programs: Second-Year Transformational Experience Program (STEP) – Faculty Mentor 2013-17  
Arts & Sciences Study Abroad Scholarships - Review Committee 2013-2014  
Advisor American Indian Council 2013-2014  
Advisor Buckeyes against Alzheimer’s 2014-present  
Nominated Distinguished Undergraduate Research Mentor 2014, 2015

**College:**

College of Arts & Sciences’ Study Abroad Scholarship Committee 2015-2016  
College of Arts & Sciences Faculty Advisory Council 2015  
Graduate School Fellowship Committee 2015-2019; Alternate 2020-  
College of Arts & Sciences Tenure and Promotion Review Committee 2016-2019  
College of Arts & Sciences Honors Committee 2016-present, Chair 2019-present

**Discipline:**

Local Arrangements Chair American Association of Physical Anthropologists, Columbus, OH 1999  
Outside Reviewer: SUNY-Binghamton MS in Biomedical Anthropology, January 2001  
Outside Reviewer: Anthropology Program SUNY-Binghamton, April 2001  
Outside Reader: Ph.D. Dissertation SUNY-Buffalo, The Growth Status of Guatemalan Street Children, Timothy V. Sullivan 2001  
Outside Reader: Ph.D. Dissertation Southern Illinois University, Lack of Age-Related Increase in Average Glycemia in a Nonwesternized Sample of Rural Yucatec Mayan Females, Penelope McLorg 2001  
Outside Reader: Ph.D. Dissertation McMaster University, Physician Ranking of Instrumental Activities of Daily Living 2002  
President and Local Arrangements Chair, 7th International Congress of Physiological Anthropology, Columbus, OH 2004  
Outside Reviewer: Tenure and Promotion University of Louisville College of Arts and Sciences, Anthropology 2007  
Outside Reviewer: Tenure and Promotion University of Oklahoma, Anthropology 2009  
President and Local Arrangements Chair, 11th International Congress of Physiological Anthropology, Banff Alberta Canada August 2013  
Outside Reviewer: Tenure and Promotion Purdue University, Anthropology 2019

**Department:**

Honors Advisor: 1995-97, 2019-Present  
Graduate Studies Committee: Member 1993-2002, 2005-06, Chair 1996-2002  
Promotion and Tenure Committee: 1998-2002  
Search Committee: Member 1999, 2004-2009, 2019, 2021, Chair 2005-2009  
Learning Enrichment Institute, Ohio State University Marion, April-May Spring 2015  
Undergraduate Anthropology Club Presentation 2012  
Coordinator for Anthropology 5597 courses 1996-2004

Coordinator for Introduction to Physical Anthropology 2008-present  
GTA Teaching Committee: Member 2004-present, Chair 2010-2019  
Diversity Committee Chair 2010-2019

**PROFESSIONAL AFFILIATIONS:**

American Heart Association Council on Epidemiology: Member: 1987-2004  
American Anthropological Association- Biological Anthropology Section: 1990-92,  
1998-present, Secretary-Treasurer 2005-2008, Member 1982-present  
American Association of Biological (Physical) Anthropologists: Member: 1980-present  
Association for Anthropology and Gerontology: Elections Comm. 1986-88, Physical  
Anthropology Program Chair 1989-93, Newsletter Editor 1993-98. Member: 1982-2000  
Gerontological Society of America 1980-84, 1986-87, Member 1998-present  
Human Biology Association: Publications Comm. 1991-94, Chair Publications Comm.  
1993-95, Public and Scientific Affairs and Information Comm. 1995-2000, Elections  
and Nominations Committee 1997-2000, Chair Elections and Nominations Committee  
1998-2000, Executive Committee 2000-2004. Member 1980-present  
International Association of Physiological Anthropologists: President 2002-2004. Vice  
President 2004-2008, Executive Committee 2002-present, Member 2000-present  
International Union of Anthropological and Ethnological Sciences Commission on  
Aging and the Aged 1988-2004.  
Society for Epidemiological Research 1992-94

**UNIVERSITY ACTIVITIES: Committees:**

Committee for Health Science and Aging Programs 1994-2014  
Interdisciplinary Program in Aging and Gerontology, Executive Committee 1997-2014  
SBS College Priorities Committee 1997-1999  
Research and Graduate Council Representative (Alternate) 2002-2004  
College of Arts and Sciences Senate: Alternate 2004-2007  
Diversity Lecture Series Selection Committee 2007-2010  
Primary Care Research Institute (PCRI) - Senior Research Scholar Genetics Team  
(10%) 2000-2009  
Integrated Biomedical Sciences and Genetics Program (IBGP) 2000-present  
Faculty Senate: Member 2007-2009, 2011-2013, Alternate 1995-97, 2010  
Senate Committees:  
Senate Diversity Committee: Member 2004-2010, Chair 2006-2009  
Senate Hearing Committee: Member 2006-2009, Hearing Panel Chair 2006-2007  
Senate Steering Committee 2009-2010  
Committee on Academic Freedom and Responsibility 2011-2014  
University Research Integrity Standing Committee (RISC) 2021-

**Graduate Faculty Representative:**

Nolan / (1997) Dissertation Defense  
Ko-Chaing Tim Tso / Nutrition (1997) Dissertation Defense  
Christopher Randle / Systematics (2000) Candidacy Exam  
Yufang Tang / Molecular Biology (2001) Candidacy Exam  
Sibyl R. Bucheli / Entomology (2003) Candidacy Exam

Felix A. Martinez / EEOB (2003) Dissertation Defense  
 Yonghwa Lee / English (2005) Candidacy Exam  
 Jiejun Wu / Molecular Genetics (2007) Candidacy Exam  
 Nathan L. Arbuckle / Psychology (2011) Dissertation Defense  
 2015: Slavic & Eastern European Studies. Michael Furman: "Playing with the punks: St. Petersburg and the DIY ethos". Dissertation Defense.  
 2020: Civil Engineering. Alaaldeen Eldawie: "Modeling of Collapse in Ductile reinforced Concrete Frames Under Systemic Loading." Dissertation Defense.  
 2022: Food Science and Technology. Aishwarya Satish Badiger: "Sell-By or Smell-By Date? Investigating Date Label Perceptions and Milk Volatiles Formation in the context of Food Waste Prevention." Dissertation Defense.

**CONFERENCE PAPERS PRESENTED AND PUBLISHED ABSTRACTS:**

1. Crews DE, PC MacKeen. Adiposity-related mortality in American Samoa. American Journal of Physical Anthropology. 52:217, 1980.
2. Crews DE, TS Baker. Aging and culture change in Samoa: A comparison of traditional and modern life-styles. The Gerontologist 22:260-1, 1982.
3. Crews DE. Modernization and changing patterns of infant mortality in American Samoa. American Journal of Physical Anthropology. 57: 178 1982.
4. Crews DE. The association between physiological measures and early mortality in a Polynesian population. The Gerontologist 23:77, 1983.
5. Crews DE, JD Pearson. The Cornell Medical Index as a predictor of mortality in a Polynesian population. The Gerontologist 24:269-70, 1984.
6. Crews DE. Predictors of cardiovascular mortality in American Samoa. American Journal of Physical Anthropology. 63:149, 1984.
7. Crews DE. Hypertension, obesity and the relative risk of death in American Samoa. American Journal of Physical Anthropology. 66:160, 1985.
8. Crews DE, SA Murrell, CA Lang. High mental health occurs in physically healthy elderly women. The Gerontologist 25:165, 1985.
9. Fonda ML, JP Richie, DE Crews and CA Lang. Comparison of serum pyridoxal phosphate, age and blood proteins in healthy elderly women. Fed Proc 45:3921, 1986.
10. Crews DE. International migration and population structure in American Samoa. Pop Index Fall, 1986.
11. Crews DE. Modernization and mortality change in American Samoa 1950 to 1980. American Journal of Physical Anthropology. 69:191, 1986.
12. Crews DE, JD Pearson. Symposium: Biological anthropology and aging: Cross-cultural and biomedical studies. The Gerontologist 27(SI):69-70, 1987.
13. Crews DE. Multiple causes of death and the epidemiological transition in American Samoa. Pop Index 53(3):420-1, 1987.
14. Crews DE. Cause specific mortality patterns among aging Samoans Multiple cause of death trends 1950 to 1980. Ross Laboratories Symposium on the Nutritional and Dietary Status of the Elderly. American Journal of Physical Anthropology. 72:191, 1987.

15. Mancilha-Carvalho JJ, DE Crews. Blood lipids of Yanomamo Indians in Brazil. CVD Epidemiology Newsletter 43:47, 1988.
16. Crews DE. Causal modeling of blood pressure in a Samoan population. American Journal of Physical Anthropology. 75:200, 1988.
17. Crews DE. Multiple causes of death, debilitation, epidemiological transitions, and risk factors for early mortality. Collegium Antropologicum 12: 197, 1988.
18. Crews DE. Diabetes mortality and risk factors in two populations. Presented at the 1988 Congress of the International Union of Anthropological and Ethnological Sciences, Zagreb, Yugoslavia, July 28, 1988.
19. Crews DE, K Liu, AR Dyer, RB Shekelle, J Stamler. Elevated blood pressure, cancer mortality, and other contributing causes of death. Circulation Supplement 78(4):11-89, 1988.
20. Mancilha-Carvalho JJ, DE Crews. Lipid profiles of Yanomamo Indians in Brazil. The First National Cholesterol Conference Program Book pp.68, 1988.
21. Crews DE. Skinfold measurements, ratios, and cause-specific mortality in Samoans. American Journal of Physical Anthropology. 78:207, 1989.
22. Ballew CC, DE Crews, J Stamler, AR Dyer, RB Shekelle. Prevalent and incident diabetes, hyperglycemia and cardiovascular risk factors. 2nd International Conference on Preventive Cardiology and the 29th Annual Meeting of the AHA Council on Epidemiology Program Abstracts pp.58, 1989.
23. Crews DE, J Stamler, AR Dyer, RB Shekelle. Prevalent and incident diabetes, hyperglycemia and the risk of death from all causes, cardiovascular diseases, and coronary heart disease. 2nd International Conference on Preventive Cardiology and the 29th Annual Meeting of the AHA Council on Epidemiology Program Abstracts pp.58, 1989.
24. Crews DE, Mancilha-Carvalho JJ. Epidemiology, mortality, multiple causes of death, and death certification. Arg Bras Cardiol 53(Supplement):73, 1989.
25. Mancilha-Carvalho JJ, DE Crews. Titulo lipidos en Indios Yanomami. Arg Bras Cardiol 53(Supplement):70, 1989.
26. Crews DE, JR Bindon. Age, glucose, and fat patterning in an obese population. The Gerontologist 29(Special Issue: 225A) 1989.
27. Crews DE, JE Smith-Ozera. Mortality and the demographic epidemiology of aging in American Samoa. American Journal of Physical Anthropology 81(2):210, 1990.
28. Bindon JR, Crews DE. Tobacco and Health in Samoa. 1990.
29. Crews DE, JE Smith-Ozeran. Mortality and the Demographic Epidemiology of Aging: Examples from American Samoa. Presented at the Inter-University Centre Course, Anthropology and Health: Demography and Physiology of Aging, Dubrovnik, Yugoslavia, 12-19 August 1990.
30. Crews DE. Multiple causes of death, chronic diseases, and aging. Presented at the Inter-University Centre Course, Anthropology and Health: Demography and Physiology of Aging 12-19 Dubrovnik, Yugoslavia, August 1990.
31. Crews DE, JR Bindon, MI Kamboh. Apolipoprotein polymorphisms in American Samoa. American Anthropological Association Meeting Abstracts pp.65, 1990.



32. Bindon JR, DE Crews, WW Dressler. Lifestyle incongruity and adult blood pressure in American Samoa. American Anthropological Association Meeting Abstracts pp.45, 1990.
33. Crews DE, JR Bindon, R Valdez. Plasma glucose, glycated hemoglobin and adiposity in American Samoans. American Journal of Physical Anthropology (Suppl 12):63, 1991.
34. Crews DE, JJ Mancilha-Carvalho. Correlates of blood pressure in Yanomami Indians of Northwestern Brazil. American Journal of Physical Anthropology (Suppl 12):123, 1991.
35. Bindon JR, DE Crews. Twelve year follow-up of the health status of American Samoan men. Towards the Pacific Century: The Challenge of Change. XVII Pacific Science Congress, Meeting Abstracts Volume p.8, 1991.
36. Crews DE, JR Bindon. Health promotion and disease prevention in Samoan populations. Towards the Pacific Century: The Challenge-of Change. XVII Pacific Science Congress, Meeting Abstracts Volume p.23, 1991.
37. Hatch DA, RM Radvany, MM Picken, DE Crews, CR Reckard. Comparison of lymphocyte subsets in peripheral blood and fine needle aspiration biopsy of transplant kidneys in patients with allograft dysfunction. Presented at the International Transplant Research Conference, Oxford, England, 1991.
38. Crews DE, JR Bindon, MI Kamboh. Apolipoprotein polymorphisms and body habitus in American Samoans. Towards the Pacific Century: The Challenge of Change. XVII Pacific Science Congress. Meeting Abstracts Volume p.23, 1991.
39. Crews DE, JR Bindon, JE Smith-Ozeran. Associations of measures of body habitus with diabetes, glucose, and glycated hemoglobin in American Samoans. Diabetes (Suppl 1):433A, 1991.
40. Crews DE, JR Bindon. Age, Life Style incongruity, Hypertension, and Chronic Disease Morbidity Among Modernizing Samoans. Presented at Aging: The Quality of Life Conference, National Institutes of Health, 10-12 February 1992.
41. Radvany RM, DA Hatch, DE Crews, MM Picken, CR Reckard. Increased proportions of CD8+/CD11b+ lymphocytes in blood and CD8/CD11b- lymphocytes in transplanted kidneys during rejection. International Transplantation Society Meetings, 1992.
42. Crews DE, MI Kamboh, JJ Mantilha-Carvalho, BA Kottke. Population Genetics of Apolipoprotein E, A-IV, and H Polymorphisms and Effects on Lipids, Lipoproteins, and Carbohydrate Metabolism in Yanomami Indians of Northwestern Brazil. American Journal of Physical Anthropology (supplement)14:65, 1992.
43. Crews DE, T Edwards. Anthropometrics, Apolipoprotein Variants and Serum Glucose as Correlates of Blood Pressure in Yanomami Indians and Samoans. American Anthropological Association Meeting Abstracts pp. 192, 1993.
44. Carter ND, RC Cooper, DE Crews, J Barley. Renin and ANP RFLPs and ACE polymorphisms in London Whites, West Indian Blacks in London, Blacks from Maywood, and Samoan Americans: Associations With Blood Pressure. Presented at the Eighth International Conference on Hypertension in Blacks, 4-7 April 1993.

45. Stewart J, DE Crews. Biological Anthropology and Aging: Current Research and Future Perspectives. American Journal of Physical Anthropology (Suppl 16):75-76, 1993.
46. Crews DE. What do Differential Associations of Risk Factors with Blood Pressure Across Genders Tell Us? American Journal of Physical Anthropology (Suppl 16):75, 1993.
47. Crews DE, J Barley, GJ Harper, ND Carter. Renin and ANP RFLPs and ACE polymorphism in American Samoans: Associations With Blood Pressure. American Journal of Human Biology 5(1):134, 1993.
48. Fitton L, DE Crews. Glucose Measurement in Field Situations: Comparison of Portable Monitoring Devices and Chemistry Analyzers. American Journal of Human Biology 5(1):135, 1993.
49. Carter ND, RC Cooper, DE Crews, K Cruickshank, S Jeffery, A Oguntesi, G Sagnella, J Barley. Renin and ANP RFLPs and ACE polymorphisms in London Whites, West Indian Blacks in London, Blacks from Maywood, and Samoan Americans: Associations With Blood Pressure. The Third International Symposium on ACE Inhibition, 1993.
50. Crews DE, GJ Harper, N Carter. Molecular Polymorphisms of Blood Pressure Regulating Proteins and Age in Samoan Americans. The Gerontologist 33(Special Issue):234-235, 1993.
51. Baker TS, DE Crews. Age Specific Mortality Patterns and Survivorship Among Samoans: An Epidemiological Paradox. Presented at the 13th International Congress of Anthropological and Ethnological Sciences, Mexico City, 29 July - 5 August 1993.
52. Harper GJ, DE Crews, JW Wood. Lack of Age-Related Blood Pressure Increase in the Gainj, Papua New Guinea: Another Low Blood Pressure Population. American Journal of Human Biology 6(1): 121-122, 1994.
53. Crews DE. Apolipoprotein Polymorphisms: Ethnic Variability Associations with Risk Factors for Coronary Heart Disease. American Journal of Physical Anthropology (Suppl 18):73, 1994.
54. Crews DE, JR Bindon. Correlates of Plasma Glucose, Diabetes, and Associated Risk Factors among Brazilian Yanomami, Mississippi Choctaw, and Samoan Americans. American Journal of Human Biology 6(1): 113-114, 1994.
55. Bindon JR, AL Knight, WW Dressler, DE Crews. Stress, Gender and Household Employment Influences on Samoan Adults. American Journal of Human Biology. 6(1): 104, 1994.
56. Silva HP, DE Crews, WA Neves. Blood Pressure Variation in Two Rural Amazonian Populations from Brazil. American Journal of Human Biology 6(1):131, 1994.
57. Meriwhether DA, J Freidlaender, DE Crews, RE Ferrell. Distribution of the 9-bp Region V Mitochondrial DNA Deletion in Solomon Islanders and American Samoans. Scientific Meetings of the American Anthropological Association, Atlanta, GA. 1994.
58. Silva HP, DE Crews, WA Neves. Blood Pressure, Anthropometry and the Impact of Westernization on Traditional Populations from the Brazilian Amazon. 111

- Congreso Latino Americana de Anthropologia Biologica Programae, Rio de Janeiro, Brasil, 1994.
59. Fitton LJ, Crews DE. Blood pressure in Cofan Indians of Ecuador: another low blood pressure population. American Journal of Human Biology 7(1):122, 1995.
  60. Crews DE, GJ Harper. Apolipoprotein H and E-genotypes, body habitus, and blood pressure in American Samoans: independent and interactive effects. American Journal of Human Biology 7(1):120, 1995.
  61. Harper GJ, DE Crews. Candidate genes (ACE, ANP, Renin) and body habitus: joint effects on blood pressure in American Samoans. American Journal of Human Biology 7(1):125, 1995.
  62. Silva HP, DE Crews. Growth and-development of-Cofan children from Zabalo, Ecuador. American Journal of Human Biology 7(1):134-135, 1995.
  62. Easton RD, DA Merriwether, DE Crews, RE Ferrell. Mitochondrial DNA Variation in the Yanomami of Brazil. Presented at Molecular Anthropology: Toward a New Evolutionary Paradigm, Wayne State University 13-14 March 1995.
  63. Easton RD, DA Merriwether, DE Crews, RE Ferrell. Mitochondrial DNA variation in the Yanomami of Brazil. Presented at Molecular Anthropology: Toward a New Evolutionary Paradigm, Wayne State University, 13-14 March 1995.
  64. Lasker GW, DE Crews. Intertribal Marriage and the Evolution of Human Diversity. Presented at Molecular Anthropology: Toward a News Evolutionary Paradigm, Wayne State University, 13-14 March 1995.
  65. Lasker GW, DE Crews. Lattice Model of Human Population Structure of Hunter-Gatherers. American Journal of Physical Anthropology. 20 (Supplement): 130, 1995.
  66. Kantor BS, DE Crews, M Strayer, MH Teaford. Curriculum Development in the Health Sciences: A Transdisciplinary Approach. Association for Gerontology and Higher Education, 2 March 1996.
  67. Moore EA, KM Payne, DE Crews. Monomorphism of the insulin receptor substrate-1 locus at codon 972 in American Samoans. American Journal of Human Biology 8(1):124-125, 1996.
  68. Severson LD, RA Lang, DE Crews. Application of sequence specific primer amplification refractory mutation system to HLA class I loci in Samoans. American Journal Human Biology 8(1):128, 1996.
  69. Fitton LJ, DE Crews, MI Kamboh. Apolipoprotein polymorphisms: relationships with quantitative lipid and apolipoprotein levels in American Samoans. American Journal of Physical Anthropology SUPPL 22: 104, 1996.
  70. Crews DE, LJ Fitton, BA Kottke. The ACE insertion/deletion polymorphism in American Samoans: associations with lipids and interactions with apolipoprotein polymorphisms. American Journal of Physical Anthropology Suppl 22:91, 1996.
  71. Nelson MR, DE Crews. Sexual dimorphism of digital dermatoglyphic patterns. American Journal of Human Biology 8(1):126, 1996.
  72. Harper GJ, DE Crews. Chronic disease, health knowledge, and life style attributes among African Americans: Central Ohio Study of Diabetes and Aging in African Americans. American Journal of Human Biology 8(1):117, 1996.

73. Crews DE, JP Robinson. Bell curves and Afrocentric Science: confronting the stratification power of scientific processes. American Association for the Advancement of Science, A-87, 8-13 February 1996.
74. Severson LD, DE Crews, RA Lang. SSP/ARMS of HLA class I loci of Samoans. Presented at the 12th International Histocompatibility Conference, 1997.
75. Fitton LJ, DE Crews. Fasting and post-load insulin, c-peptide and glycated hemoglobin levels in normoglycemic and hyperglycemic Samoans. American Journal of Physical Anthropology Suppl 24:110, 1997.
76. Crews DE, LJ Fitton. Glucose, insulin and c-peptide in American Samoans: associations with body habitus and other risk factors. American Journal of Physical Anthropology Suppl 24:97, 1997.
77. Williams SR, DE Crews. Insertion/deletion polymorphisms of angiotensin - converting enzyme (ACE) and human atrial natriuretic peptide (ANP) in two ethnic groups. American Journal of Human Biology 9(1): 148, 1997.
78. Severson LD, RA Lang, DE Crews. Genetic distance analysis of HLA Class I loci in Polynesians and Melanesians. American Journal of Human Biology 9(1): 143-144, 1997.
79. Crews DE and GJ Harper. Congregate care retirement communities, a case study of current directions. The Gerontologist 37:179, 1997.
80. Crews DE and GJ Harper. Congregate care retirement communities, a case study of current directions. The Gerontologist 37:179. Presented at the meetings of The Gerontologist Society of America, 1997.
81. Harper GJ, GD James, DE Crews. Ambulatory blood pressure and activity patterns among elders in long term care settings. American Journal of Human Biology 10(1): 125, 1998.
82. Williams S, LJ Fitton, DE Crews. Seasonality of births among the Cofan of Ecuador. American Journal of Human Biology 10(1): 138, 1998.
83. Crews DE. Associations of body habitus with blood pressure do not vary across obese and lean populations. American Journal of Human Biology 10(1): 120, 1998.
84. Merriwether DA, K Green, DE Crews, JV Neel. Mitochondrial DNA E-loop sequence variation within and between Yanomami villages. American Journal of Physical Anthropology Suppl 26:161, 1998.
85. Harper GJ, DE Crews, GD James. Ambulatory blood pressure patterns vary in elders living in different residential settings. Presented at the American Society of Hypertension 13th Annual Scientific Meeting, 1998.
86. Harper GJ, GD James, DE Crews. Associations of health and behavioral factors with ambulatory blood pressure among elders in long-term settings. Presented at the Gerontological Society of America annual Meeting, 1998.
87. Merriwether DA, K Green, DE Crews, JV Neel. Mitochondrial DNA D-loop sequence variation within and between Yanomami villages. American Journal of Physical Anthropology Suppl 26:161, 1998.
88. Harper GJ, GD James and DE Crews. Ambulatory blood pressure and activity patterns among elders in long term care settings. American Journal of Human Biology 10:125, 1998.

89. Severson LD, RA Lang, DE Crews, JE Shaw. Karposi's sarcoma-associated Herpesvirus-like sequences found in Yanomami Indians. American Journal of Physical Anthropology Suppl 28:248, 1999.
90. Crews DE, LM Gerber. The thrifty/pleiotropic model for chronic degenerative conditions and senescence. Abstracts American Anthropology Association, p.150, 1999.
91. Crews DE. Construction of aging, senescence, and longevity through time. Abstracts: American Anthropology Association, p.150, 1999.
92. Bindon JR, MJ Gilliland, WW Dressler, DE Crews. Body habitus and risk factors in the Mississippi Choctaw, American Samoans, and African Americans. American Journal of Human Biology 11(1):106, 1999.
93. Kemp BM, JV Neel, DE Crews, DA Merriwether. Gene flow and coancestry in the Yanomami Indians of Venezuela and Brazil: evidence from mitochondrial DNA. American Journal of Human Biology 11(1):117-118, 1999.
94. Corr J, DE Crews. Aging rhesus macaques: Male and female social behaviors. American Journal of Physical Anthropology Suppl 30:130-131, 2000.
95. Crews DE. Aging and senescence of humans in evolutionary context. Abstracts: American Anthropology Association p. 167, 2001.
96. Crews DE. Senescence and adaptability: assessing the senescent phenotype. Journal Physical Anthropology and Applied Human Sciences 21(6):315, 2002.
97. Crews DE. Assessing the senescent phenotype. Collegium Antropologicum 26(Supplement): 45, 2002.
98. Crews DE, JR Bindon. Biocultural risks for diseases: exploring sociocultural aspects of physiological health. Abstracts: American Anthropology Association 2002.
99. Fitton LJ, DE Crews. Change and consequences: Blood pressure, body habitus, and lifestyle change among the Cofan of Ecuador. American Journal of Human Biology p. 260, 2003.
100. Crews DE. Influences on variations in allostatic load across populations. American Journal of Human Biology 15(2): 257-258, 2003.
101. Crews DE. Sex Differences in composite estimates of stress across populations: influences of population history. Abstracts of the 5th Congress of the Gesellschaft fur Anthropologie e.V., Anthropologie der Geschlechter p.26, 2003.
102. Crews DE. Racial Disparities in Mortality and Primary Care. North American Primary Care Research Group: 31st Annual Meeting (Abstracts), p. 168-169, 2003.
103. Crews DE. Assessing components of stress (allostatic load) across populations. The Gerontologist 43(SI): 505-506, 2003.
104. Crews DE. Assessments of composite measures of stress (allostatic load) across populations: sex/gender differences. American Journal of Human Biology 16(2):199, 2004.
105. Crews DE. Assessing human variation in senescence, frailty, and disability: implications for the future. Journal of Physiological Anthropology and Applied Human Sciences 23(6):358, 2004.
106. Post D, D Cegala, F Meiser, L Sachs, DE Crews. Path analysis of physician-patient communication processes. American Academy of Physician and Patient:

- Research and Teaching Forum, 1-3 October 2004.
107. Crews DE. Evolutionary perspectives on human longevity and frailty. IPSEN Foundation Congress on Longevity and Frailty 11 October 2004 Paris. Longevity and Frailty Abstract Book p. 19, 2005.
  108. Crews DE. Artificial environments and an aging population: designing for age-related functional loss. Journal of Physiological Anthropology and Applied Human Sciences 24(1): 2005.
  109. Crews DE. At the Interface of Biology and Cultural: Biocultural Models in Human Biology. Abstract of the Plenary Session of the Human Biology Association, Milwaukee, WI, 6-7 April 2005, American Journal of Human Biology 2005.
  110. Crews DE. Unraveling a Knotted Skein: Senescence, Aging, and Disease. International Congress of Physiological Anthropology, Kenchoji, Kamakura, Japan, 9-12 October 2007.
  111. Gosman J, DE Crews. From Evolution to Osteoarthritis: Examining Injury-Related Secondary Osteoarthritis of the Human Knee Joint as an Evolutionary Cost of Bipedalism. American Journal of Human Biology 19(2):257, 2007.
  112. Kusano Y, DE Crews, Y Sone, H Harada, Y Sawada. Allostatic load among elderly residents of Hizen, Oshima Island, Japan. American Journal of Human Biology 19(2):262-263, 2007.
  113. Tyree DJ, DE Crews, MG Sovic, GC Booton, PA Fuerst. Vitamin D Receptor Polymorphism is Associated with Variation in Adult Height in a Sample of African-American Females. American Journal of Human Biology 19(2):284, 2007.
  114. Walsh KM, Hampel, M Clendenning, A De La Chapelle, DE Crews. Genealogical Research and Genetic Haplotyping of American Founder Mutation Patients Point to Shared Ancestry in Eighteenth Century German-Americans. American Journal of Human Biology 19(2):287, **Winner of American Association for Anthropological Genetics (AAAG) Best Poster on Genetics by a student at the HBA annual meetings, 2007.**
  115. Crews DE, Y Kusano, Y Sone, H Harada, Y Sawada. Health measures and allostatic load among elderly residents of Oshima Island. North American Primary Care Research Group Annual Meetings, 2007.
  116. Crews DE. Biocultural and evolutionary perspectives on health. Proceedings of the 4th Slovenian Congress of Preventive Medicine. Sekcija za preventivno medicino Slovenskega zdravniškega drustva p. 161 Porotoz, Slovenia, 17-19 May 2007.
  117. Crews DE. Obesity, senescence, and life history. Proceedings of the 4th Slovenia Congress of Preventive Medicine. Sekcija za preventivno medicino Slovenskega zdravniškega drustva p. 173 Porotoz, Slovenia 17-19 May 2007.
  118. Crews DE. What does anthropometry tell us about the elderly phenotype and design? International Conference of Physiological Anthropologists, Delft University of Technology. Abstracts, p30. 22-26 August 2008.
  119. Reitsema LJ, DE Crews, HM Justus, AM Agnew. Stable carbon and nitrogen analysis of diet from the medieval cemetery at Giecz, Poland. American Journal of Physical Anthropology Supplement 46:179-180, 2008.

120. Walz JT, DE Crews, DM Kitchen. Comparing Female Initiation Across the Estrous Cycle Among Captive Pan Paniscus and Pan troglodytes. American Journal of Physical Anthropology Supplement 46:217, 2008.
121. Crews DE. Late Reproduction and Parental Investment Increase Reserve Capacity and Longevity in Humans. American Journal of Physical Anthropology Supplement 46:84, 2008.
122. Silva HP, DE Crews, GV Veiga, G. Kac, R. A. Pereira. Effects of Environment and Seasonality on Growth and Body Habitus of Rural Adolescents from Amazonian Caboclo Populations. American Journal of Human Biology 21(2): 269, 2009.
123. Al-Kandari Y, DE Crews. Age Differences in Social Support and Health among Elderly Kuwaitis. American Journal of Physical Anthropology Supplement 52:74, 2011.
124. Iwamoto A, Y Sone, Y Kusano, T Maeda, K Aoyagi, DE Crews. Associations of allostatic load with diet and life style in Sakiyama City Japan. NAPCRG Annual Meeting: 2011 Abstract Book, page EP41, 2011.
125. Crews DE, H Harada, K Aoyagi, T Maeda, Y Sone, Kusano. Allostatic Load Among Elderly Japanese Living on Hizen-Oshima Island. NAPCRG Annual Meeting: 2011 Abstract Book, EP42, 2011.
126. Tyree D, DE Crews. Physical Growth Status of Somali Children Born in the United States to First Generation Immigrants. Presented at the 2011 Society for the Study of Human Biology Symposium "The Human Biology of James Tanner", Corpus Christi College, Cambridge. 13-15 December 2011.
127. Crews DE. Co-Evolution of human sociocultural systems, chronic degenerative conditions and longevity. *Traces, Tidemarks, and Legacies*. American Anthropological Association: 2011 Annual Meetings Abstracts. American Anthropological Association: Arlington VA, page 340, 2011.
128. Iwamoto A, Y Sone, Y Kusano, K Aoyagi, T Maeda, Douglas E. Crews. Allostatic Load and Dietary Life of the Elderly Living in Island of Nagasaki Prefecture, Japanese Society of Physiological Anthropology 66th Annual Meeting May 2012.
129. Cohen J, DE Crews. A biosocial model of migration and mobility in Turkey. Turkish Migration in Europe 2012 Conference. London, UK 7-9 December 2012
130. Leahy R, Crews DE. In sickness and in death: What do age, stress, and illness in life tell us about skeletal remains? Invited podium presentation at the 82<sup>nd</sup> Meetings of the American Association of Physical Anthropologists, 9-13 April 2013, Knoxville TN.
131. Tyree D, Crews DE. Physical Growth Status of Somali Children Born in the United States to First Generation Immigrants. 82<sup>nd</sup> Meetings of the American Association of Physical Anthropologists, 9-13 April 2013, Knoxville TN.
132. Sharron G, Vidovic' M, Crews, DE. Frailty and physiological variation among Slovenian elders of the Selska Valley. Presented at the 11<sup>th</sup> International Congress of Physiological Anthropology, "Human Variation and Built Environments". 8 August 2013, Banff Canada.
133. Lawson A, Crews DE. BGSU/OSU 7th Annual Graduate Student Conference. The Ohio State University. 1 November 2013.

134. Leahy R, Crews DE. These tired bones: A new method of interpreting stress in skeletal samples. Midwest Bioarchaeology and Forensic Anthropology Association (BARFAA) 20th Anniversary Meeting. November 8th – 10th, 2013, The Ohio State University.
135. Leahy R., D.E. Crews. 2014. "Skeletal" allostatic load/frailty: Parallèles entre le stress et la santé parmi les vivants et les morts. Société d'Anthropologie de Paris. (Submitted) Janvier 8-10, 2014; Montpellier, France.
136. Sharron G, Vidovic' M, Crews, DE. Life styles, frailty and health among elderly Slovenians. Calgary, Canada. Program of the 83rd Annual Meeting of the American Association of Physical Anthropologists, April 8-12, 2014, p237.
137. Donley G, Crews DE. Allostatic Load Varies by Apolipoprotein E and ACE Genotypes in American Samoans. 83rd Annual Scientific Meetings of the American Association of Physical Anthropologists, 8-12 April 2014, Calgary, Canada.
138. Crews DE. Late Life Physiological Dysregulation Predicted By Growth, Development and Reserve Capacity. Presented at the 2014 Annual Scientific Meetings of the American Anthropology Association.
139. Cohen JH, Crews DE. Comparing physiological and social stressors among Latino immigrants to Columbus, Ohio. Presented at the 2014 Annual Scientific Meetings of the American Anthropology Association.
140. Donley G, Crews DE. Genes, social factors, and allostatic load among American Samoans. Presented at the 2014 Annual Scientific Meetings of the American Anthropology Association, Washington DC.
141. Leahy RE, Crews DE, Sone Y, Iwamoto A, Kusano Y, Maeda T, Aoyagi K. Senescence, Aging, and Allostatic Load in Sakiyama, Japan. Presented at the 2014 Annual Scientific Meetings of the American Anthropology Association, Washington DC.
142. Donley GA, Crews DE. Allostatic load varies by genotype, age, sex, and social factors in American Samoans. Presented at the 2015 Annual Scientific Meetings of the American Association of Physical Anthropologists.
143. Edes AN, Wolfe BA, Crews DE. Assessing stress in Western lowland gorillas (*Gorilla gorilla gorilla*) in human care using allostatic load. 38th Annual Meeting of the American Society of Primatologists Bend, Oregon, June 2015. Student Award Finalist.
144. Crews DE, Edes AN, Marklein KE. From us to apes: assessing frailty in medieval London skeletons and allostatic load in gorillas. Invited presentation The Gerontological Society of America 69th Annual Meeting, New Orleans, Louisiana, November 2016.
145. Edes AN, Wolfe BA, Crews DE. Does proximity to the silverback increase allostatic load in zoo-housed western lowland gorilla (*Gorilla gorilla gorilla*) females? International Primatological Society and American Society of Primatologists Chicago, Illinois August 2016. Received Primate Welfare Award.
146. Edes AN, Crews DE. Dehydroepiandrosterone-sulfate (DHEA-S), sex, and age in zoo-housed western lowland gorillas (*Gorilla gorilla gorilla*). International Primatological Society and American Society of Primatologists Chicago, Illinois. August 2016.



147. Edes AN, Wolfe BA, Crews DE. Rearing history and allostatic load in adult western lowland gorillas (*Gorilla gorilla gorilla*) in human care. 85th Annual Scientific Meeting of the American Association of Physical Anthropology Atlanta, Georgia, April 2016.
148. Crews DE, Marklein KE. Hale and Frail: Skeletal Frailty in Medieval and Postmedieval London. 86th Annual Scientific Meeting of the American Association of Physical Anthropology, New Orleans, April 2017.
149. Edes AN, Wolfe BA, Crews DE. Gorilla Social Dynamics: Only heterosexual relationships impact long-term stress in captive western lowland gorillas (*Gorilla gorilla gorilla*). 86th Annual Scientific Meetings of the American Association of Physical Anthropology Meetings, New Orleans, Louisiana, April 2017.
150. Edes AN, Crews DE. On Our Own: DHEA-S associations with age and sex in humans are not observed in one of our closest relatives. 42nd Annual Scientific Meeting of the Human Biology Association, New Orleans, Louisiana, April 2017.
151. Wolfe BA, Edes AN, Seeley K, Proudfoot K, Berkeley E, Crews DE. Allostatic Load: Quantifying Chronic and Long-Term Stress Intermittent Stress to Improve Health and Well-Being of Animals. American Association of Zoo Veterinarians Annual Scientific Meeting, 2017.
152. Edes AN, Crews DE. Associations of inflammatory markers with sex, age, and cortisol in zoo-housed western lowland gorillas (*Gorilla gorilla gorilla*). The 40th Meeting of the American Society of Primatologists in Washington, D.C. 25 August – 28 August. 2017.
153. Edes AN, Wolfe BA, Crews DE. Estimating physiological welfare among great apes: The first allostatic load index for zoo-housed gorillas. The 3rd International Symposium for Zoo Animal Welfare in Chicago, Illinois. 8 October – 10 October, 2017.
154. Edes AN, Wolfe BA, Crews DE. Expect the unexpected: Number of stressful events is not associated with cortisol in western lowland gorillas (*Gorilla gorilla gorilla*). The Association of Zoos & Aquariums Annual Conference, Indianapolis, Indiana. 9-13 September, 2017.
155. Edes AN, Wolfe BA, Crews DE. Examining stress-related behavior and allostatic load in zoo-housed western lowland gorillas (*Gorilla gorilla gorilla*). Behavior Society's 54th Annual Conference, Toronto, Canada. 12 June – 16 June, 2017.
156. Tuggle A, Cohen JN, Crews DE. Migration and allostatic load: A model based on Mexican migrants to the United States. Symposium of the Society for the Study of Human Biology & International Association of Physiological Anthropology: Human Biology of Climate Change, 12 -15th September 2017, Loughborough (UK).
157. Crews DE, Cohen JN. Worldwide Stressors and Allostatic Load: Climate Change, Social Instability, Migration, and Food Insecurity. Symposium of the Society for the Study of Human Biology & International Association of Physiological Anthropology: Human Biology of Climate Change, 12 -15th September 2017, Loughborough (UK). **Invited.**
158. Al-Kandari Y & Crews DE. Social support modulates physiological and functional biomarkers in elderly Kuwaitis. Symposium of the Society for the Study of Human Biology & International Association of Physiological Anthropology:

- Human Biology of Climate Change, 12 -15th September 2017, Loughborough (UK).
159. Tuggle A, Marklein K, Crews DE. Analyzing skeletal frailty in Medieval Poland. 86th Annual Scientific Meeting of the American Association of Physical Anthropology, Austin TX, 9-14 April 2018.
  160. Hummel D, Jeszka J, Woźniewicz M, Sone Y, Crews DE. Sociodemographic factors, residential location, and allostatic load in rural and urban Poland. 43rd Annual Scientific Meeting of the Human Biology Association, Austin TX, 9-14 April 2018.
  161. Edes AN, Wolfe B, Crews DE. Examining Stress in Western Lowland Gorillas: A Multi-Zoo Application of the First Allostatic Load Index in Zoo-Housed Great Apes. 86th Annual Scientific Meeting of the American Association of Physical Anthropology, Austin TX, 9-14 April 2018.
  162. Edes AN, Wolfe BA, Crews DE. Predictors of allostatic load in zoo-housed western lowland gorillas (*Gorilla gorilla gorilla*). The 41st Meeting of the American Society of Primatologists in San Antonio, Texas. 8 August – 11 August, 2018.
  163. Crews DE, Kawa NC. Changing environments, uncertainty, and allostatic load. 4<sup>th</sup> International Conference on Evolutionary Medicine, Health and Diseases in Changing Environment, 5-10 June 2018, Vilnius University, Vilnius, Lithuania. Acta medica Lituanica 25 (Supplement): 14-15, 2018. **Invited**.
  164. Znidarsic K, Al-Kandari Y, Edes AN, Crews DE. Social support and physiological dysregulation in elderly Kuwaitis. The 23rd annual Richard J. and Martha D. Denman Undergraduate Research Forum in Columbus, Ohio. 3 April 2018.
  165. Edes AN, Wolfe B, Crews DE. Health Outcomes Associated with Higher Allostatic Load in Zoo-Housed Western Lowland Gorillas (*Gorilla gorilla gorilla*). Presented at the 87th Annual Scientific Meeting of the American Association of Physical Anthropology Cleveland, Ohio, 29 March **2019**.
  166. Znidarsic KA, Edes AN, Al-Kandari Y, Crews DE. Among elderly Kuwaitis social support buffers functional and physiological dysregulation. 87th Annual Scientific Meeting of the American Association of Physical Anthropology Cleveland, Ohio, 30 March **2019**.
  167. Edes AN, Crews DE. Do inflammatory markers predict heart disease and mortality in gorillas as they do in humans? 434th Annual Scientific Meeting of the Human Biology Association, Cleveland, Ohio March **2019**.
  168. Tuggle AC, Cohen JH, Crews DE. Re-envisioning migrant health: exploring risk factors and the moderating role of narratives on migrant allostatic load. 43<sup>rd</sup> Annual Scientific Meeting of the Human Biology Association, Cleveland, Ohio March **2019**.
  169. Edes AN, Crews DE. Allostatic load indices as a holistic physiological approach to assessing primate welfare. American Society of Primatology, **2019**.
  170. Cohen JH, Crews DE, Tuggle AC. A bioethnographic approach to migration: outcomes in Mexican destination communities. Royal Geographic Society-IBG: Annual International Conference **2019**, London, 27-30 August.

171. Edes AN, Al-Kandari Y, Crews DE. Self-reported health is associated with neuroendocrine, cardiovascular, and metabolic biomarkers in elderly Kuwaiti. 44<sup>th</sup> Annual Scientific Meeting of the Human Biology Association, Los Angeles CA, April **2019**.
172. Arbogast DM, Ely J, McGraw S, Crews DE. Demographic and cost analysis of a retired former research chimpanzee population. 8th Annual Scientific Meeting of the American Association of Physical Anthropology, **2021**, online.
173. Arbogast DM, Ely J, McGraw S, Crews DE. Survival and mortality of captive former biomedical research chimpanzees (*Pan troglodytes*). American Society of Primatology, **2021**. Abstract Number 46.
174. Edes AN, Edwards KL, Crews DE. Physiological variation between zoo-born and wild-caught gorillas, chimpanzees, and bonobos. American Society of Primatology, **2021**. Abstract Number 108.
175. Marklein KE, Bews E, Crews DE. Strength in frailty: Interpreting skeletal frailty and resilience in catastrophic and attritional burial contexts from Roman period Oymaağaç, Turkey. American Association of Biological Anthropology, **2022**.
176. Tuggle AC, Crews DE. Social injustice magnified: Ethical considerations in biocultural research with vulnerable communities - added value with community-engaged methodology. Human Biology Association **2022**.
177. Frazier REM, Crews DE, Marklein KE. Combating frailty: Application of a modified skeletal frailty index to forensic anthropology contexts. American Association of Biological Anthropology, **2022**.
178. Arbogast D, Ely JJ, McGraw S, Crews DE. Life expectancy over time and death seasonality among captive former biomedical research chimpanzees. American Association of Biological Anthropology, **2022**.
179. Marklein KE & Crews DE. Reconsidering pathos in palaeopathology: How skeletal frailty and age reflect resilience in historical skeletons. 49th Annual North American Meeting of the Paleopathology Association **2022**