

CURRICULUM VITAE

Dennis H. O'Rourke

Chair, Department of Anthropology
University of Kansas
1415 Jayhawk Blvd., 635 Fraser
Lawrence, Kansas 66045

Phone: 785.864.2642
FAX: 785.864.5224
E-mail: orourke@ku.edu

Web Link: <http://www.anthropology.ku.edu>

Education

- 1980 Ph.D., Anthropology, University of Kansas, Lawrence, KS
DISSERTATION: *Inbreeding Effects on Morphometric Characters in the Papio hamadryas Colony at Sukhumi*
- 1977 M. Phil., Anthropology, University of Kansas, Lawrence, KS
- 1976 M.A., Anthropology, University of Kansas, Lawrence, KS
MASTER'S THESIS: *Odontometric Analysis of Four Tlaxcaltecan Communities of Related Genetic Background*
- 1973 B.A., Honors in Anthropology, University of Kansas, Lawrence, KS
HONORS THESIS: *Quantitative Analysis of Play Behavior in Captive Juvenile Gorillas and Orang-utans*

Professional Positions

- 7/19-present Chair, Department of Anthropology, University of Kansas
- 10/17-present Distinguished Professor, Dept. of Ecology and Evolutionary Biology, University of Kansas (*Courtesy appt.*)
- 1/16-present Foundation Distinguished Professor, Department of Anthropology, University of Kansas
- Professor Emeritus, Department of Anthropology, University of Utah
- 8/96-8/98 Program Director for Physical Anthropology, National Science Foundation, Arlington, VA.
- 1978-2015 Instructor, Asst. Prof. (1980), Assoc. Prof. (1985), Prof. (1994) Dept. of Anthropology, Univ. of Utah
- 1980-81; Post-doctoral Fellow in Genetic Epidemiology, Department of Psychiatry,
Su. '82-'84 Washington University School of Medicine, St. Louis, MO

Research Interests

Population and evolutionary genetics, ancient DNA analysis, molecular and quantitative methods, bioethical issues in anthropology and genetics; Native America, Siberia, historic and prehistoric populations of the circumpolarctic,

Professional Affiliations

American Society of Human Genetics Amer. Assn. for the Advancement of Science (Fellow)
American Association of Physical Anthropologists Society for the Study of Social Biology
Society for Molecular Biology and Evolution Human Biology Association
American Association of Anthropological Genetics Alaska Anthropology Association
Kansas Academy of Science

Professional Service Positions

- 11/18-present Working group to draft guidelines for responsible and ethical paleogenomics research, ASHG
- 2/17-present Co-Chair, Committee on Science Policy, AAPA
- 2/15-2/17 Chair-elect [2/15], Chair [2/16], Retiring Chair [2/17] - Section H (Anthropology), AAAS
- 9/13-3/17 National NAGPRA Review Committee, National Park Service
- 4/12-3/13 Chair, *American Journal of Physical Anthropology* Editor-in-Chief Search Committee
- 4/06-4/12 Vice President & Program Chair [2006-'08], President-elect [2008-'09], President [2009-'11], and
Past-President [2011-'12], American Association of Physical Anthropology
- 4/11-12/11 Search Committee member for **Editor, *Yearbook of Physical Anthropology***
- 11/09-11/10 US-France Committee on Research Collaboration - Archaeology.
- 8/09-2/10 J.I. Staley Prize Review Panel, School of American Research
- 6/09 NSF IGERT Pre-Proposal Review Panel
- 2/08-2/12 AAAS Member-at-Large, Section H (Anthropology) Executive Committee
- 11/07 NSF International Polar Year Social Science Panel
- 4/06-1/12 Native American Repatriation Review Committee, State of Utah, Division of Indian Affairs

Professional Service Positions – cont.

3/06-4/10	Human Biology Association Executive Committee, Membership Chair
4/06	NSF Panel, Bering Sea Ecosystem Study (BEST)
5/05-3/07	Vice President, President-elect, and President, American Association of Anthropological Genetics
9/01-	External Advisory-Oversight Board, Allele Frequency Database (ALFRED) at Yale University
5/04-4/09	Arctic Social Science Review Panel, OPP, NSF
1/02-4/05	Physical Anthropology Review Panel, NSF
1/03-4/05	Student Prize Evaluation Committee, AAPA
10/00-12/10	Norton Sound Health Corporation Research Ethics Review Board, Nome, AK
1/99	NSF Site Visit Review Team member: STC for Study of Human Molecular Variation, Univ. of Chicago
4/95-4/97	Executive Committee Member, AAPA; Chair, Student Affairs Committee, 4/95-4/96
4/93-8/94	Member, Founding Board of Directors and
4/93-4/98	Nominations Committee Chair, American Association of Anthropological Genetics (AAAG)
1983	Member, AAPA <i>ad hoc</i> committee: Creation of Institute of Physical Anthropology

Editorial Contributions

10/14-present	Editorial Board Member, <i>PaleoAmerica</i>
4/13-present	Editorial Board Member, <i>Cambridge Studies in Biological and Evolutionary Anthropology</i>
3/13-present	Editorial Board Member, <i>Alaska Journal of Anthropology</i>
1/09-12/15	Academic Editor, <i>PLoS ONE</i>
1/10-1/12	Associate Editor, <i>Human Biology</i>
5/05-5/10	Associate Editor, <i>American Journal of Physical Anthropology</i>
8/03-8/08	Consulting Editor, <i>Human Biology</i>
10/99-8/03	Editor-in-Chief, <i>Human Biology</i>
2/93-10/99	Editorial Board, <i>Human Biology</i>
2/07; 2/06;	Gabrial Lasker Award Committee Member, <i>Human Biology</i>
3/99; 3/95	Gabrial Lasker Award Committee – cont.
9/94-4/96	AAAG Publications Committee member

University, Community, and National Administrative Activities

7/19- current	Chair, Department of Anthropology, University of Kansas, Director, Laboratories of Molecular Anthropology, University of Kansas Member, Advisory Board, Odyssey Geoarchaeology Research Program, University of Kansas Member, Kansas Antiquities Commission
5/19	External Examination Review Committee, Department of Anthropology, University of Albany
8/17-present	Chair, Steering Committee, Council of Distinguished Professors, University of Kansas
4/17	External Examination Review Committee, Anthropology Department, University of Oregon
1/16-6/19	Assoc. Director, Laboratories of Biological Anthropology, University of Kansas
7/14-12/15	Director of Graduate Studies, Dept. of Anthropology, University of Utah
3/15	Chair, External Examination Review Committee, Anthropology Department, Ohio State Univ.
2/14	External Review Committees for Anthropology Depts at Indiana Univ. and San Diego State Univ.
1/12-7/13	Interim Chair, Department of Anthropology, University of Utah
11/11	External Examination and Review Committee, Boise State University Anthropology Department
10/09	Chair, Committee of Visitors Review Panel, NSF Office of Polar Programs - Arctic Sciences
5/08	Committee of Visitors Review Panel Member, Human and Social Dynamics Program, NSF
2/07-3/07	External Examination and Review Committee, UC-Santa Cruz Department of Anthropology
3/04-3/06	Member, <i>Humans in the Bering Ecosystem</i> planning team, Science Plan development sponsored by the National Science Foundation and ARCUS; Anchorage, AK.
6/00-2/01	Organizing Committee member, <i>Arctic Social Science Workshop</i> sponsored by the Arctic Research Consortium of the U.S. (ARCUS), the Polar Research Board, and NSF
9/00-1/01	Internal Graduate Council Review Committee member, Human Genetics Dept., University of Utah
4/97-4/98	Local Arrangements Committee Chair and Host, 1998 AAPA Meetings, Salt Lake City Hilton Hotel
7/90-6/96	Chair, Department of Anthropology, University of Utah
7/93-4/94	Chair, Internal Graduate Council Review Committee, Geography Department, University of Utah
1/90-6/96	Adjunct Curator of Physical Anthropology, Utah Museum of Natural History
1/89-6/90	Associate Dean, Research and Curricula; College of Social and Behavioral Science, Univ. of Utah

PUBLICATIONS**BOOKS**

D. H. O'Rourke, ed. (2019) COMPANION TO ANTHROPOLOGICAL GENETICS, New York: Wiley-Blackwell.

Trevathan, W., editor-in-chief (2018) **INTERNATIONAL ENCYCLOPEDIA OF BIOLOGICAL ANTHROPOLOGY**, Vol. 1-3. New York: Wiley-Blackwell. (D.H. O'Rourke, Assoc. Ed. For Anthropological Genetics)

Stinson, S., B. Bogin and **D.H. O'Rourke**, eds. (2012) **HUMAN BIOLOGY: AN EVOLUTIONARY & BIOCULTURAL PERSPECTIVE, 2nd Edition**. New York: Wiley-Blackwell.

Stinson, S., B. Bogin, R. Huss-Ashmore and **D.H. O'Rourke**, eds. (2000) **HUMAN BIOLOGY: AN EVOLUTIONARY & BIOCULTURAL PERSPECTIVE**. New York: Wiley-Liss, Inc.

O'Rourke, D.H., G.M. Petersen and F.E. Johnston, eds. (1983) **GENETICS, EVOLUTION AND DISEASE**. New York: Alan R. Liss, Inc. (Also appeared as American Journal of Physical Anthropology, Vol. 62, No. 1)

JOURNAL ARTICLES

Flegontov P, N.E. Altinişik, P. Changmai, N. Rohland, S. Mallick, D.A. Bolnick, F. Candilio, C. Jeong, T.K. Harper, D. Keating, D.J. Kennett, A.M. Kim, T.C. Lamnidis, I. Olalde, B.A. Potter, J. Raff, R.A. Sattler, P. Skoglund, E.J. Vajda, S. Vasilyev, E. Veselovskaya, M.G. Hayes, **D.H. O'Rourke**, R. Pinhasi, J. Krause, D. Reich and S. Schiffels (2019) Paleo-Eskimo genetic ancestry and the peopling of Chukotka and North America. *Nature*. Doi.org/10.1038/s41586-019-1251-y.

Tackney, J., A. Jensen, C. Kisielinski, and **D.H. O'Rourke** (2019) Molecular analysis of an ancient Thule population at Nuvuk, Point Barrow, Alaska. *Amer. J. Phys. Anthropol.* 168: 303-317. DOI: 10.1002/ajpa.23746.

Hlusko, L.J., J.P. Carlson, G. Chaplin, S.A. Elias, J.F. Hoffecker, M. Huffman, N.G. Jablonski, T.A. Monson, **D.H. O'Rourke**, M.A. Pilloud and G.R. Scott (2018) Environmental selection during the last ice age on the mother-to-infant transmission of vitamin D and fatty acids through breast milk. *Proc. Natl. Acad. Sci., USA*, 115(19): E4426-E4432.

Hoffecker, J.F., S.A. Elias, **D.H. O'Rourke**, G.R. Scott and N.H. Bigelow (2016) Beringia and the Global Dispersal of Modern Humans. *Evol. Anthropol.* 25:64-78. DOI: 10.1002/evan.21478.

J.B. Coltrain, J. Tackney, **D. O'Rourke** (2016) Thule whaling at Point Barrow, Alaska: The Nuvuk cemetery stable isotope and radiocarbon record. *J. Arch. Sci.: Reports* 9:681-694.

Tackney, J., B.A. Potter, J. Raff, M. Powers, S. Watkins, D. Warner, J.D. Reuther, J.D. Irish, and **D.H. O'Rourke** (2015) Two Contemporaneous Mitogenomes from Terminal Pleistocene Burials in Eastern Beringia. *Proc. Natl. Acad. Sci., USA*, 112(45): 12833-13838.

Raghavan, M., M. DeGiorgio, A. Albrechtsen, I. Moltke, P. Skoglund, T.S. Korneliussen, B. Grønnow, M. Appelt, H.C. Gulløv, M. Friesen, W. Fitzhugh, H. Malmström, S. Rasmussen, J. Olsen, L. Melchior, B.T. Fuller, S.M. Fahrni, T. Stafford Jr., V. Grimes, M.A.P. Renouf, J. Cybulski, N. Lynnerup, M.M. Lahr, K. Britton, R. Knecht, J. Arneborg, M. Metspalu, O.E. Cornejo, A-S Malaspina, Y Wang, M Rasmussen, V Raghavan, TVO Hansen, E Khusnutdinova, T Pierre, K Dneprovski, C Andreasen, H. Lange, M.G. Hayes, J. Coltrain, V.A. Spitsyn, A. Götherström, L. Orlando, T. Kivisild, R. Villems, M.H. Crawford, F.C. Nielsen, J. Dissing, J. Heinemeier, M. Meldgaard, C. Bustamante, **D.H. O'Rourke**, M. Jakobsson, M.T.P. Gilbert, R. Nielsen and E. Willerslev (2014) The Genetic Prehistory of the New World Arctic. *Science*. 345: DOI: 10.1126/science. 1255832.

Hoffecker, J.F., S.A. Elias and **D.H. O'Rourke** (2014) Out of Beringia? *Science (Perspective)*, 343:979-980. DOI: 10.1126/science.1250786.

Journal Articles – cont.

- Broughton, J.M., R.K. Beck, J.B. Coltrain, **D.H. O'Rourke** and A.R. Rogers (2012) A Late Holocene Population Bottleneck in California Tule Elk (*Cervus elaphus nannodes*): Provisional support from ancient DNA. *Journal of Archaeological Method and Theory*. DOI 10.1007/s10816-012-9167-Y (Published online 13 Dec. 2012).
- Raff, J., D.A. Bolnick, J. Tackney and **D.H. O'Rourke** (2011) Ancient DNA Perspectives on American Colonization and Population History. *Amer. J. Phys. Anthrop.* 146:503-514. DOI: 10.1002/ajpa.21594.
- O'Rourke, D.H.** (2011) Contradictions and Concordances in American Colonization Models. *Evolution: Education & Outreach*. 4(2): 244-253. DOI: 10.1007/s12052-011-0336-3.
- Enk, J., R. Debruyne, A. Devault, C.E. King, T. Treangen, **D.H. O'Rourke**, S.L. Salzberg, D. Fisher, R. Macphee and H. Poinar (2011) Complete Columbian Mammoth mitogenome suggests interbreeding with Woolly Mammoths. *Genome Biology*. 12:R51. DOI: 10.1186/gb-2011-12-5-r51
- Raff, J. J. Tackney and **D.H. O'Rourke** (2010) South From Alaska: A Pilot aDNA Study of Genetic History on the Alaska Peninsula and Eastern Aleutians. *Human Biology* 82: 677-694. (Special Issue on the Origins of the Populations of the Aleutian Islands. Edited by M.H. Crawford, D.L. West and D.H. O'Rourke)
- O'Rourke, D.H.**, D.L. West and M.H. Crawford (2010) Unangan Past and Present: The Contrasts Between Observed and Inferred Histories. *Human Biology* 82: 759-764. (Special Issue on the Origins of the Populations of the Aleutian Islands. Edited by M.H. Crawford, D.L. West and D.H. O'Rourke.
- West, D., **D.H. O'Rourke** and M.H. Crawford (2010) Introduction: Origins and Settlement of the Indigenous Populations of the Aleutian Archipelago. *Human Biology* 82:481-486. (Special Issue on the Origins of the Populations of the Aleutian Islands. Edited by M.H. Crawford, D.L. West and D.H. O'Rourke)
- O'Rourke, D.H.** and J. Raff (2010) The Genetic History of the Americas: The Final Frontier. *Current Biology*. 20:R202–R207, DOI 10.1016/j.cub.2009.11.051.
- Smith, S., Hayes, M.G., Cabana, G., Coltrain, J.B., Huff, C. and **D.H. O'Rourke** (2009) Inferring Population Continuity versus Replacement with aDNA: A Cautionary Tale from the Aleutian Islands. *Human Biology*. 81(4): 19-38.
- O'Rourke, D.H.** (2009) Human Migrations: The Two Roads Taken. *Current Biology*. 19(5): R203-R205. DOI:10.1016/j.cub.2009.01.021.
- Enk, J.M., D.R. Yesner, K.J. Crossen, D.W. Veltre and **D.H. O'Rourke** (2009) Mitochondrial DNA Sequence of a Mid-Holocene Woolly Mammoth from the Pribilof Islands, Alaska: Implications for Mammoth Evolution, Dispersal, and Pleistocene Refugia. *Palaeogeography, Palaeoclimatology, Palaeoecology* 273: 184-190. DOI:10:1016/j.paleo.2008.12.019.
- Goebel, T., M. Waters and **D.H. O'Rourke** (2008) The Late Pleistocene Dispersal of Modern Humans in the Americas. *Science*. 319:1497-1502.
- Marchani, E.E., A.R. Rogers and **D.H. O'Rourke** (2007) The Thule expansion: Rejecting population histories using mtDNA data and computer simulation. *Amer. J. Phys. Anthrop.* 134(2):281-284.
- Coltrain, J.B., M.G. Hayes and **D.H. O'Rourke** (2006) A Radiometric Evaluation of Hrdlicka's Aleutian Replacement Hypothesis: Population Continuity and Morphological Change. *Current Anthropology* 47(3):537-548.
- Coltrain, J.B., M.G. Hayes and **D.H. O'Rourke** (2004) Sealing, Whaling, and Caribou: The Skeletal Isotope Chemistry of Eastern Arctic Foragers. *Journal of Archaeological Science*. 31: 39-57.
- O'Rourke, D.H.** (2003) Anthropological Genetics in the Genomic Era: A Look Back and Ahead. *American Anthropologist*. 105(1):101-109.

Journal Articles – cont.

- Carlyle, S.W., R.L. Parr, M.G. Hayes and **D.H. O'Rourke** (2000) The Context of Maternal Lineages in the Greater Southwest. *Amer. J. Phys. Anthrop.* 113(1):85-101.
- O'Rourke, D.H.**, M.G. Hayes and S.W. Carlyle (2000) Spatial and Temporal Stability of mtDNA Haplogroup Frequencies in Native North America. *Human Biology* 72(1):15-34.
- O'Rourke, D.H.**, S.W. Carlyle and R.L. Parr (1996) Ancient DNA: A review of methods, progress, and perspectives. *Amer. J. Hum. Biol.* 8(5): 557-571.
- Parr, R.L., S.W. Carlyle, and **D.H. O'Rourke** (1996) Ancient DNA analysis of Fremont Amerindians of the Great Salt Lake Wetlands. *Amer. J. Phys. Anthrop.* 99(4):507-519.
- Suarez, B.K., C.L. Hampe, **D. O'Rourke**, P. Van Eerdewegh, and T. Reich (1995) Sib-based detection of QTLs. *Genetic Epidemiology.* 12(6):675-680.
- Bamshad, M., M.H. Crawford, **D.H. O'Rourke** and L.B. Jorde (1994) Biochemical heterozygosity and morphologic variation in a colony of *Papio hamadryas hamadryas* baboons. *Evolution* 48(4):1211-1221.
- O'Rourke, D.H.**, A. Mobarry and B.K. Suarez (1992) Patterns of genetic variation in Native America. *Human Biology* 64(3):417-434. (Invited Review for special issue of journal commemorating Columbian quincentenary)
- Shearin, N.L., E.J. King and **D.H. O'Rourke** (1989) DNA preservation in Precolumbian remains from the American Southwest. *Human Evolution.* 4(4):263-270.
- O'Rourke, D.H.** and A.S. Lichty (1989) Spatial analysis and gene frequency maps of native North American populations. *Collegium Antropologicum.* 13(1):73-84.
- Crawford, M.H., E.J. Devor, **D.H. O'Rourke**, L.A. Yakovleva, A.F. Voevodin and B.A. Lapin (1987) Genetics of primate lymphomas in a baboon (*Papio hamadryas*) colony of Sukhumi, U.S.S.R. *Genetica.* 73:145-157.
- McCullough, J.M. and **D.H. O'Rourke** (1986) Geographical distribution of consanguinity in Europe. *Ann. Hum. Biol.* 13(4):359-367.
- O'Rourke, D.H.** and B.K. Suarez (1986) Patterns and correlates of genetic variation in South Amerindians. *Ann. Hum. Biol.* 13(1):13-31.
- O'Rourke, D.H.**, B.K. Suarez and J.D. Crouse (1985) Genetic variation in North Amerindian populations: Covariance with climate. *Amer. J. Phys. Anthrop.* 67(3):241-250.
- Suarez, B.K., **D.H. O'Rourke** and J.D. Crouse (1985) Genetic variation in North Amerindian populations: Association with sociocultural complexity. *Amer. J. Phys. Anthrop.* 67(3):233-239.
- Suarez, B.K., J.D. Crouse and **D.H. O'Rourke** (1985) Genetic variation in North Amerindian populations: The geography of gene frequencies. *Amer. J. Phys. Anthrop.* 67(3):217-232.
- Crawford, M.H., **D.H. O'Rourke**, D. Dykes, B. Lapin and H. Polesky (1984) Inbreeding, heterozygosity and lymphoma risk among the baboons (*Papio hamadryas*) of Sukhumi, U.S.S.R. *Amer. J. Primat.* 6:143-153.
- O'Rourke, D.H.**, P. McGuffin and T. Reich (1983) The genetics of manic-depressive illness. *Amer. J. Phys. Anthrop.* 62(1):51-60. (Reprinted in: GENETICS, EVOLUTION AND DISEASE, D.H. O'Rourke, G.M. Petersen and F.E. Johnston [eds.], Alan R. Liss, Inc.).

Journal Articles – cont.

- O'Rourke, D.H.** and G.M. Petersen (1983) Biological anthropology and genetic disease research: Introduction. *Amer. J. Phys. Anthropol.* 62(1):1-2. (Reprinted in: GENETICS, EVOLUTION AND DISEASE, D.H. O'Rourke, G.M. Petersen and F.E. Johnston (eds.), Alan R. Liss, Inc.).
- O'Rourke, D.H.**, I.I. Gottesman, B.K. Suarez, J. Rice and T. Reich (1982) Refutation of the general single locus model for the etiology of schizophrenia. *Amer. J. Hum. Genet.* 34(4):630-649.
- Suarez, B.K., **D.H. O'Rourke** and P. Van Eerdewegh (1982) Power of the affected sib pair method to detect disease susceptibility loci of small effect: An application to multiple sclerosis. *Amer. J. Med. Genet.* 12:309-326.
- Rice, J., I.I. Gottesman, B.K. Suarez, **D.H. O'Rourke** and T. Reich (1982) Ascertainment bias for non-twin relatives in twin proband studies. *Hum. Hered.* 32:202-207.
- O'Rourke, D.H.** and M.H. Crawford (1980) Odontometric microdifferentiation of transplanted Mexican Indian populations: Cuanalan and Saltillo. *Amer. J. Phys. Anthropol.* 52(3):421-434.
- Crawford, M.H. and **D.H. O'Rourke** (1978) Inbreeding, lymphoma, genetics and morphology of the *Papio hamadryas* colony of Sukhumi. *J. Med. Primat.* 7:355-360.

INVITED BOOK CHAPTERS

- Tackney, J.A., E. Fair, **D.H. O'Rourke** (2019) Molecular Genetic Analyses of Human Remains from the Swift Water Place, Kobuk River, Alaska. IN: **Life at Swift Water Place: Alaska at the Threshold of European Contact.** D.D. Anderson and W.W. Anderson, eds. University of Alaska Press: Fairbanks.
- Tackney, J., J.B. Coltrain, J. Raff and **D.H. O'Rourke** (2016) Molecular Windows on Arctic Prehistory. In: **The Oxford Handbook of the Prehistoric Arctic.** O. Mason and M. Friesen, eds. Oxford University Press: London.
- D.H. O'Rourke** (2016) Molecular Approaches to Colonization and Population History in the North American Arctic. In: **Human Origin Sites and the World Heritage Convention in the Americas, Vol. II** (HEADS 5, World Heritage Papers 42), N. Sanz, ed. UNESCO.
- O'Rourke, D.H.** (2012) Why Do We Migrate? A Retrospective. In: **The Causes and Consequences of Migration: An Evolutionary Perspective,** Campbell B.C. and Crawford M. (eds.). Cambridge University Press: Cambridge.
- West D, J.B. Coltrain, M.G. Hayes, **D.H. O'Rourke**, C. Lefèvre, D. Corbett, F. Bouchet and A. Savinetsky (2012) A Human Burial from the Andreanof Islands, Alaska. In: **The People Before: The Geology, Paleocology and Archaeology of Adak Island, Alaska.** West D., V. Hatfield, E. Wilmerding, C. Lefevre and L. Gualtieri, eds. BAR International Series 2322. Archaeopress: Oxford.
- O'Rourke, D.H.** and J. Enk (2012) Genetics, Geography, and Human Variation. In: **Human Biology: An Evolutionary and Biocultural Approach, 2nd ed.**, S. Stinson, B. Bogin and D. O'Rourke, eds. John Wiley & Sons: New York.
- Stinson, S., B. Bogin, R., **D. O'Rourke** and R. Huss-Ashmore (2012) Human Biology: An Evolutionary and Biocultural Perspective. In: **Human Biology: An Evolutionary and Biocultural Approach, 2nd ed.**, S. Stinson, B. Bogin and D. O'Rourke, eds. John Wiley & Sons: New York.
- Scott, G.R. and **D.H. O'Rourke** (2010) Genes across Beringia: A Physical Anthropological Perspective on the Dené-Yeniseian Hypothesis. In: **Anthropological Papers of the University of Alaska Vol. 5(1-2) (New Series). Special Issue: The Dené-Yeniseian Hypothesis.** J. Kari and B. Potter, eds.

Invited Book Chapters – cont.

- O'Rourke, D.H.** (2010) Human Molecular Genetics. In: *A Companion to Physical Anthropology*. Clark Spenser Larsen, editor. Wiley-Blackwell: New York.
- O'Rourke, D.H.** (2007) Ancient DNA and its application to reconstruction of human evolution and population history. IN: *Anthropological Genetics: Theory, Methods & Applications*, M.H. Crawford, ed. Cambridge University Press: Cambridge.
- O'Rourke, D.H.** (2006) Classical marker variation in Native North Americans. IN: *Handbook of North American Indians. Vol. 3, Environment, Origins and Population*, D. Ubelaker (vol. ed.). Smithsonian Institution: Washington, DC.
- O'Rourke, D.H.** (2005) Biomolecular Archaeology: Summary and Speculations. IN: *Biomolecular Archaeology: Genetic Approaches to the Past*, David M. Reed, ed. Occasional Paper No. 32. Southern Illinois University Press: Carbondale.
- Hayes, M. G., J.B. Coltrain and **D.H. O'Rourke** (2005) Molecular archaeology of the Dorset, Thule, and Sadlermiut: Ancestor-descendant relationships in Eastern North American arctic prehistory. IN: *Contributions to the Study of the Dorset Palaeo-Eskimos*, P. Sutherland (ed.). Mercury Series, Archaeological Paper 167. Canadian Museum of Civilization, Hull, Quebec.
- O'Rourke, D.H.**, M.G. Hayes and S.W. Carlyle (2005) The Consent Process and aDNA Research: Contrasting Approaches in Northern North America. IN: *Biological Anthropology and Ethics*. Trudy Turner (ed.). State University of New York Press: Albany.
- Hayes, M.E., J.B. Coltrain and **D.H. O'Rourke** (2003) Mitochondrial analyses of Dorset, Thule, Sadlermiut, and Aleut skeletal samples from the prehistoric North American Arctic. IN: *Mummies in a New Millennium. Proceedings of the 4th World Congress on Mummy Studies*. N. Lynnerup, C. Andreasen and J. Berglund, eds. Copenhagen: Danish Polar Center.
- O'Rourke, D.H.** (2003) Genetic Considerations in Multigenerational Space Travel. IN: *Interstellar Travel and Multi-Generation Space Ships*, Y. Kondo, F.C. Bruhweiler, John Moore, and C. Sheffield (eds.). Apogee Books: Burlington, Ontario.
- O'Rourke, D.H.**, M.G. Hayes and S.W. Carlyle (2000) Ancient DNA Studies in Physical Anthropology. IN: *Annual Review of Anthropology*, 29:217-242. Palo Alto, CA: Annual Reviews, Inc.
- O'Rourke, D.H.** (2000) Genes, Geography, and Human Variation. IN: *Human Biology: An Evolutionary & Biocultural Perspective*. Stinson, S., B. Bogin, R. Huss-Ashmore and D.H. O'Rourke, eds. Wiley-Liss, Inc.
- O'Rourke, D.H.**, R.L. Parr and S.W. Carlyle (1999) Molecular genetic variation in prehistoric inhabitants of the Eastern Great Basin. IN: *Understanding Prehistoric Lifeways in the Great Basin Wetlands: Bioarchaeological Reconstruction and Interpretation*. B.E. Hemphill and C.S. Larsen (eds.), University of Utah Press.
- O'Rourke, D.H.**, R.M. Baume, J.H. Mielke and M.H. Crawford (1984) Dental variation in Black Carib populations. IN: *Current Developments in Anthropological Genetics, Vol. 3. Black Caribs: A Case Study in Biocultural Adaptation*, Chapter 10, pp. 169-187. M.H. Crawford (ed.). New York: Plenum.
- O'Rourke, D.H.** and V. Bach Enciso (1982) Primate social organization, ecology and genetic variation. IN: *Current Developments in Anthropological Genetics, Vol. 2. Ecology and Population Structure*, Ch. 1, pp. 1-28. M.H. Crawford and J.H. Mielke (eds.). New York: Plenum.
- O'Rourke, D.H.** and M.H. Crawford (1976) Odontometric analysis of four Tlaxcaltecan communities. IN: *The Tlaxcaltecs: Prehistory, Demography, Morphology and Genetics*. Chapter 9, pp. 81-92. M.H. Crawford (ed.). University of Kansas Anthropology Series, No. 7. KU Printing Service, Lawrence, KS.

INVITED ENCYCLOPEDIA ENTRIES

- O'Rourke, D.H.** (2018) Mendel, Johan Gregor. IN: **The International Encyclopedia of Biological Anthropology**, Wenda Trevathan (ed). John Wiley and Sons, Inc.
- O'Rourke, D.H.** (2018) Fisher, Ronald Alymer. IN: **The International Encyclopedia of Biological Anthropology**, Wenda Trevathan (ed). John Wiley and Sons, Inc.
- O'Rourke, D.H.** (2018) Matson, G. Albin IN: **The International Encyclopedia of Biological Anthropology**, Wenda Trevathan (ed). John Wiley and Sons, Inc.
- O'Rourke, D.H.** (2018) Paleogenetics. IN: **The International Encyclopedia of Biological Anthropology**, Wenda Trevathan (ed). John Wiley and Sons, Inc.

BOOK REVIEWS

Atlas of a Lost World: Travels in Ice Age America. Craig Childs, Pantheon. *Amer. J. Hum. Biol.* (2019) e23295. [Doi.org/10.1002/ajhb.23295](https://doi.org/10.1002/ajhb.23295).

Human Population Genetics. John H. Relethford, Wiley-Blackwell. *Amer. J. Phys. Anthropol.* (2013) 152(3):432.

Prehistoric Foragers of the Cis-Baikal, Siberia: Proceedings of the First Conference of the Baikal Archaeology Project. Edited by A. Weber and H. McKenzie, CCI Press. *Sibirica.* (2012) 11(2):89-91.

Anthropology and the New Genetics, Gísli Pálsson, Cambridge. *Amer. J. Phys. Anthropol.* (2008) 138(1): 121-122.

Ancient DNA, Edited by B. Herrmann and S. Hummel, Springer-Verlag. *Internatl. J. Osteoarch.* (1996) 6:255.1-255.3.

Genetics of Cellular, Individual, Family, and Population Variability, Edited by Charles F. Sing and Craig L. Hanis, Oxford University Press. *Amer. J. Phys. Anthropol.* (1995) 97(4):455-457.

The History and Geography of Human Genes, by L. Luca Cavalli-Sforza, Paolo Menozzi, and Alberto Piazza, Princeton University Press. *Science.* (1995) 267:1530-1532. (10 March)

Understanding Genetics: A Molecular Approach, by Norman V. Rothwell, John Wiley & Sons, Inc. *Hum. Biol.* (1994) 66(5):950-951.

The Foundations of Human Genetics, by Krishna R. Dronamraju, Charles C. Thomas, Publisher. *Hum. Biol.* (1990) 62(6):856-857.

Genetic Variation and Its Maintenance. With Particular Reference to Tropical Populations, Edited by D.F. Roberts and G.F. DeStefano, Cambridge University Press. *Hum. Biol.* (1988) 60(6):955-956.

The Inheritance of Personality and Ability, by R.B. Cattell, Academic Press. *Amer. J. Phys. Anthropol.* (1984) 65(2):221-222.

The Genetics of Altruism, by Scott A. Boorman and Paul R. Levitt, Academic Press. *Amer. Anthropol.* (1983) 85(1):157-158.

MANUSCRIPTS AND GRANTS SUBMITTED OR IN PREPARATION*Manuscripts*

G.R. Scott, **D.H. O'Rourke**, J. Raff, L.J. Hlusko, J. Tackney, L. Norman S.A. Elias, M.A. Sicoli, L. Bourgeon, O. Potapova, E. Pavlova, V. Pitulko and J.F. Hoffecker.

Peopling of the Americas: Not "Out of Japan". *In Prep*

S.L. Unkel, L.E.Y. Norman, J. Tackney, A.M. Jensen, C. Alix, O. Mason and D.H. O'Rourke

An ancient genetic analysis of an Alaskan North Slope Birnirk Inuit Population. (*In Prep for Arctic.*)

Norman, L.E.Y., C.E. Barrett, S. Unkel, Anne M. Jensen, **D.H. O'Rourke** and J. Raff

Ethical Aspects of Community-Based Paleogenomics Research Using Museum Samples. IN: **Contextualizing Museum Collections at the Smithsonian Institution: The Relevance of Collections-Based Research in the 21st Century**, M.M. Martinez, E. Sears and L. Sieg, eds. (submitted July 2019)

D.H. O'Rourke, J. Tackney, L. Norman

An Arctic Lens for American Migration. IN: **Human Migration: Biocultural Perspectives**. L. Munoz and M.H. Crawford, eds. Oxford University Press. (submitted May 2019)

Research Proposals

NRT-NNA: Merging the Life and Physical Sciences: The Biogeoeology of Migration . National Research Training grant submission to NSF (PI, with four coinvestigators-R. Mandel, A.T. Peterson, J. Raff & M. Suarez; submitted, February 2020; administratively withdrawn to submit next cycle).

Molecular archaeology and eDNA analyses at Bluefish Caves, Yukon, Canada. *In Prep* for NSF, Arctic Social Science Program. (Joint with Dr. Lauren Norman, KU).

Use of *sed*DNA and meta-genomic analyses for Paleoecological and Biome Reconstructions from Buried Land Surfaces. *In Prep for* Submission to NSF, Geosciences and Biological Anthropology Programs. (Joint with Dr. Rolfe Mandel, KU and Kansas Geological Survey, June 2020).

GRANTS AND AWARDS

2019 American Dispersals: The Genetic History of the Aleut People. National Science Foundation, Co-PI with Dr. Jennifer Raff, PI. (BCS-1849338) \$450,000 (36 mo.)

2019 Ancient Genetic Analysis of the Northwest Alaskan Birnirk to Thule Transition. Research Excellence Initiative TSU Award. CLAS Dean's Office, KU. \$7,400.

2019 Ancient Alaskan origins and expansion: re-aligning archaeological and genetic evidence. J. Raff, PI, L. Norman, J. Tackney and D.H. O'Rourke, Co-PIs. Research Excellence Initiative-Discipline Specific Research Fund, KU. \$12,000.

Grants & Awards – cont.

- 2015 COLLABORATIVE RESEARCH: Birnirk prehistory and the emergence of Iñupiaq Culture in Northwestern Alaska: archaeological and anthropological perspectives. National Science Foundation, PI (PLR-1523059) \$295,423 (36 mo.)
- 2014 Paleoepidemiology of Epidemic Disease in Prehistoric Europe. Funding Incentive Seed Grant, University of Utah, \$33,000 (12 mo.)
- 2014 Paleogenomic Analysis of Archaeological Corn, University of Utah Research Committee, \$5,700
- 2013 Did Hunting or Climate Change Cause a Late Holocene Bottleneck in California Thule Elk? An Integrated Test Using Ancient DNA and Stable Isotopes. National Science Foundation, Co-PI, Jack Broughton PI (BCS-1321412) \$203,716 (36 Mo).
- 2012 Supplement to COLLABORATIVE RESEARCH: IPY: Reconstruction of Human Genetic History Along the North Slope. National Science Foundation, PI (OPP-1137078) \$44,991 (12 Mo).
- 2011 Supplement to COLLABORATIVE RESEARCH: IPY: Reconstruction of Human Genetic History Along the North Slope. National Science Foundation, PI (OPP-1137078) \$32,236 (12 Mo).
- 2008 Stable and Radio-Isotope Chemistry of the Nuvuk Mortuary Assemblage, Point Barrow, AK. National Science Foundation, Co-PI (J. Coltrain, PI: OPP-0820790) \$134,247 (18 mo.).
- 2007 COLLABORATIVE RESEARCH: IPY: Reconstruction of Human Genetic History Along the North Slope. National Science Foundation, PI. (OPP-0732846) \$552,543. (\$1.06mil award; \$510K to M.G. Hayes, collaborating PI at Northwestern)
- 2006 SGER: Molecular Variation in Prehistoric North Alaska: aDNA Pilot Project. National Science Foundation PI (OPP-0637246) \$30,433 (1 yr.)
- 2006 Method to Extract and Type *Alu* inserts in ancient DNA Samples. University of Utah Research Committee. PI, \$4995
- 2006 *Alu* Typing Method in Ancient DNA Samples. Proposal Initiative Grant, College of Social and Behavioral Science, University of Utah. PI. \$3000.
- 2005 SGER: Morphometric Assessment of Prehistoric Skeletal Series from Nuvuk, Point Barrow, Alaska. NSF, PI (OPP-0535356) \$39,858 (2 YRS.)
- 2005 Ancient DNA Analysis of a Prehistoric Coastal Peruvian Population. Funding Incentive Seed Grant, University of Utah. \$29,000
- 2003 COLLABORATIVE RESEARCH: Molecular Perspectives on Aleut Origins. National Science Foundation, PI. (OPP-0327641) \$271,006 (3 yrs.)
- 2002 Supplement Request for OPP-9974623. NSF \$24,525.
- 2001 Biocomplexity in the Environment Incubation Grant: A Temporal Perspective on Biocomplexity in the Aleutian Islands. National Science Foundation, PI. (BCS-BE 0119759) \$75,000 (1 yr.).
- 2001 SGER: Identification of ancient Sin Nombre Hantavirus in the Prehistoric Southwest. NSF, PI. (BCS-0123732) \$25,571 (1 yr.)
- 2001 Supplement Request for 2nd year field support to OPP-9974623. NSF, \$18,457.

Grants & Awards – cont.

- 2001 Did Prehistoric Hunters Cause a Population Bottleneck in California Elk? A Test Using Ancient DNA. University of Utah Research Committee, Co-PI with Jack Broughton, \$5,986.
- 2000 SGER: Subadult Mortality and Life History Evolution in Medieval Denmark: A Molecular Approach. National Science Foundation, Co-PI with R.R. Paine. (BCS-0085819), \$19,883 (1 yr.).
- 1999 COLLABORATIVE RESEARCH: Origins of Aleut Populations: Molecular Perspectives. NSF, PI. (OPP 9974623), \$182,980 (3 yrs).
- 1995 Acquisition of Equipment for Automated DNA Sequencing. National Science Foundation. \$112,932. Co-PI with Lynn Jorde (PI), Alan Rogers (Co-PI), and Ryk Ward (Co-PI).
- 1993 Sex Determination in the Ancient Southwest Using Molecular Methods. Univ. of Utah Research Comm., \$5,000.
- 1993 DNA Variation in Skeletal Samples from Utah and Integration with Archaeology to Refine the Numic Expansion Model. National Science Foundation. \$70,810. Co-PI with Drs. Steve Simms (PI), and Kevin Jones (Co-PI).
- 1991 Instructional Equipment Award. Laboratory of Biological Anthropology. University of Utah. \$12,035.
- 1991 Research Instrumentation Award. Equipment upgrade for Graphical Imaging Facility. University of Utah. \$12,000.
- 1990 Mitochondrial DNA Variation in Ancient Tissues from US Southwest. NSF, PI. (BNS-8920463) \$79,838 (3 yrs.).
- 1990 Research Instrumentation Award. Equipment for Laboratory of Biological Anthropology. Univ. of Utah. \$17,187.
- 1990 Travel Grant, The SOROS FOUNDATION-SOVIET UNION. Funded research visit of Dr. Elena Samilchuk, Institute of Experimental Pathology and Therapy, Sukhumi USSR, 3-31 October.
- 1988 DNA Extraction from Ancient Mummified Human Tissue. Wenner-Gren Foundation. \$6,500.
- 1987 Analysis of Child Growth and Diabetes Mellitus in the Shoshoni of Northeastern Nevada. Biomedical Research Support Grant. Co-PI with J. M. McCullough. University of Utah. \$4,875.
- 1985 Graphical Imaging Facility in the Laboratory of Biological Anthropology. University of Utah. \$55,254.
- 1984 Morphometric Microdifferentiation in a Subdivided Isolate Population: The Habbani Yemenite Jews. Faculty Sponsor for NSF Dissertation Improvement Grant, B. Towne, Ph.D.Candidate, \$3,850.
- 1982 Genetic Variability in Human Populations: Possible Roles of Climate and Culture. Univ. Utah Res. Comm., \$1,000.

FIELD EXPERIENCE

- 2018-19 Research consultation with Vuntut Gwich'in Government and Yukon Cultural Services Department, Old Crow Village and Whitehorse, Yukon for new research project at Bluefish Caves, Yukon.
- 2016-17 Ancient DNA sample collection and bioarchaeological research at Cape Espenberg.
- 2013 Ancient DNA sample collection and bioarchaeological research at Igliqtiqsiugvigruaq (Swift Water Place) , Kobuk Valley National Park, NW Alaska. Doug Anderson, PI.
- 2005-11 Bioarchaeological excavation, skeletal morphological and aDNA analysis, Nuvuk, Pt. Barrow, AK.
- 2001-05 Research discussions with The Aleut Corporation and Aleut/Pribilof Island Association, Anchorage AK. Met with representative of the Qawalangin Tribe of Unalaska to secure permission to sample materials from Unalaska region.

Field Experience – cont.

- 2000 Sample and site survey, Museum of the Aleutians, Unalaska and Nikolski, Aleutian Islands, Alaska; research discussion with The Aleut Corporation and Aleut/Pribilof Island Association, Anchorage, AK 30 May-13 June.
- 1999 Sample survey and research discussions with The Aleut Corporation, Aleutian/Pribilof Island Association, Museum of Natural History, University of Alaska. Fairbanks and Anchorage, AK July 1999.
- 1989 Preliminary population survey of Evenki villages, Baikitski Region, Siberia, U.S.S.R.
- 1986-87 Consultant; Project to investigate distribution of health and illness relative to population structure in Amish-Mennonite communities. PI: Dr. B.K. Suarez, Washington University in St. Louis.
- 1978; Follow-up research and data collection on etiology of human leukemia in hamadryas baboons.
'85; '89 Institute of Experimental Pathology and Therapy, Sukhumi, U.S.S.R.
- 1977 Biomedical and genetic research at Institute of Experimental Pathology and Therapy, Academy of Medical Sciences, Sukhumi, U.S.S.R.
- 1976 Member, biomedical research team, Belize, C.A. Population genetics of sickle-cell anemia and morphological variability of the Garifuna (Black Caribs). Collected and analyzed odontometric data. PI: Dr. M.H. Crawford, KU.
- 1975 Population survey for Anthropological Genetic research. Vera Cruz, Mexico.
- 1974 Member, biomedical research team, Saltillo, Mexico. Collected and analyzed odontometric data. M.H. Crawford, PI.
- 1973 Archaeological crew member, Blennerhassett Island Archaeological Survey. West Virginia Geological and Economic Survey.
- 1972-73 Senior honors research project. Quantification of Play Behavior in Captive Juvenile Gorillas and Orang-utans.
- 1972 Archaeological crew member, 14BU50, El Dorado, Kansas. KU Archaeological Field Crew.

HONORS AND AWARDS

Invited Presenter, New York Academy of Sciences	2016
Keynote Speaker, Second City Anthropology Conference, UI-Chicago	2016
Foundation Distinguished Professor, Dept. of Anthropology, University of Kansas	2016
Gabriel W. Lasker Service Award, American Association of Physical Anthropologists	2015
Bold Aspirations Lecturer, University of Kansas	2014
Rufus Wood Leigh Lecturer, University of Utah	2012
Robert L. Stigler, Jr., Lectureship in Archaeology, University of Arkansas	2009
Invited Presenter, Anthropological Survey of India's Symposium on Ethics, Community and Population Genomics, ISHG meetings, New Delhi	2009
University Professor, Univ. of Utah	2007-2008
AAAS Fellow	2007
Keynote Speaker, Argentina Association of Biological Anthropology (8 Jornadas Nacionales de Antropología Biológica – Salta, Argentina)	2007
Invited Luncheon Speaker, AAPA	2006
Keynote Luncheon Speaker, Alaska Anthropology Association	2005
Plenary Speaker, AAPA	1997
Dean's R & D Award, Univ. of Utah	1988
Superior Teaching Award - CSBS, Univ. of Utah	1988
University of Kansas Dissertation Fellowship	1977 - 1978
University of Kansas Summer Research Fellowship	1976

INVITED LECTURES

O'Rourke, D.H.

- 2020 Reframing Prehistory?: Environmental DNA, Paleoecology, and Human Adaptation. Department of Anthropology, University of Arizona, Tucson. February 13.
- 2020 Inferring Human History and Adaptation Using Genetic Proxies. Genetics Interdisciplinary Graduate Program, University of Arizona, Tucson. February 12.
- 2019 American Dispersals Through an Arctic Lens: Genes, Glaciers, and Alternative Chronologies. Max Planck Institute for Evolutionary Anthropology, Department of Genetics. Leipzig, Germany. March 15.
- 2018 Coming to America: Human Migration and Genome Diversity During the Last Ice Age. Arnold and Doris Roland Distinguished Speaker Series. Arizona State Museum, Tucson, AZ. Nov. 2.
- 2018 The Upward Sun River Genomes: Controversy and Concordance in American Dispersal Models. Santa Fe Seminar Series, Santa Fe, NM. May 14.
- 2018 American Dispersals: Insights from Ancient DNA and Archaeology. Inaugural Distinguished Professor Lecture. University of Kansas, Lawrence. March 28.
- 2017 Early American Dispersals: Merging Genetic, Paleoecological and Archaeological Records. Ecology and Evolutionary Biology Seminar. University of Kansas, September 26.
- 2017 American Dispersals: Merging Genetic, Archaeological, and Paleoenvironmental Records. Department of Anthropology Colloquium, Kansas State University, April 14
- 2016 Ancient Genomes, Paleoenvironments, Archaeology and the Peopling of the Americas. New York Academy of Sciences – Anthropology Section. New York, NY Dec. 5.
- 2016 Peopling the Americas: Ancient Genomes, Environments and Archaeology. University Forum, University of Nevada, Las Vegas. Las Vegas, NV Nov. 14.
- 2016 The Peopling of the Americas: Merging the Genetic, Archaeological, and Paleoenvironmental Records. Second City Anthropology Conference. Chicago, IL March 5.
- 2016 Genetics Overview and Summary: Beringian Standstill Workshop, Institute of Arctic and Alpine Research, University of Colorado, Feb. 27.
- 2015 Ancient Genomes and Population History in the North American Arctic. University of Nevada, Reno. 12 Nov.
- 2015 Non-destructive Ancient DNA Extraction and Sequencing. National NAGPRA Review Committee, Amherst, MA, March 4.
- 2014 A Genetic Prehistory of the Americas: Ancient DNA Perspectives on Colonization and Population History. Bold Aspirations Lecture, University of Kansas, Sept. 24.
- 2013 Molecular Approaches to Colonization and Population History: A Genetic History of the North American Arctic. Dept. of Anthropology, Ohio State University, Nov. 15.
- 2012 One if by Land, and Two if by Sea...? The Paleogeography of American Colonization and Dispersal. Cambridge Conference on High Altitude and Cold: Adaptation to Extremes. Cambridge University. Sept. 27-29.
- Jack M. Broughton, R. Kelly Beck, J. B. Coltrain, Dennis H. O'Rourke and Alan R. Rogers
- 2012 Ancient DNA Analysis Confirms a Population Bottleneck in California Tule Elk (*Cervus elaphus nannodes*). Anthropology Forum, Department of Anthropology, California State University, Chico. 15 March.

Invited Lectures – cont.

O'Rourke, D.H

- 2012 Over the Top: Contradictions and Concordances in American Colonization Models. Leigh Lecture, University of Utah. April 16.
- 2011 The Peninsula, Aleutians, and Arctic Slope: Ancient DNA Research in Alaska. Alaska Office of History and Archaeology, Anchorage. July 25.
- 2009 The Genetic Analysis of North American Arctic Prehistory. Utah State University Museum of Anthropology. Logan, UT Nov. 7
- 2009 Peopling of the Americas: Genetics, Archaeology, Paleoecology and Other Heresies. Department of Anthropology, Simon Fraser University, Vancouver, B.C. Oct. 9
- 2009 Ancient DNA, Archaeology, and Population History in the North American Arctic. Robert L. Stigler, Jr. Lectureship in Archaeology. University of Arkansas, Fayetteville, Feb. 4
- 2009 Human DNA Analysis and Research Strategies. Departments of Geosciences, Anthropology, and the Environmental Dynamics Program. University of Arkansas, Fayetteville. Feb. 5.
- 2008 aDNA and Population History in the North American Arctic. 13th Annual Multidisciplinary CME Conference: Controversies in Medicine: A Forum for the Exploration and Discussion of Current Issues in Medicine. Wm. James Howard, Organizer. 25 February, Snowbird, UT.
- 2007 New Views on American Colonization: Critical Tests from South America. Argentina Association of Biological Anthropologists. Salta, Argentina, Oct. 1-5.
- 2007 Reading Genetic (pre)History in Arctic North America. Research Administration NAKAMA. August 10.
- 2007 aDNA and Population History in the North American Arctic. 12th Annual CME Multidisciplinary Conference. Controversies in Medicine: A Forum for the Exploration and Discussion of Current Issues. Feb. 28, Snowbird, Utah.
- 2006 South to Alaska: A Reappraisal of American Colonization. Invited Luncheon Speaker, American Association of Physical Anthropology, Anchorage, AK, March 10.
- 2005 Beringian Expansion, Colonization, and Arctic Adaptations: Molecular Contributions to North American Arctic Prehistory. Keynote Luncheon Speaker, Alaskan Anthropology Association meetings, Anchorage, AK March 12.
- 2004 Molecular Approaches to Arctic Prehistory: Ice Age Migrations and the Bering Straits. Utah Museum of Natural History. August 6.
- 2002 Molecular Approaches to Prehistory: Population Dynamics of People, Their Prey, and Pathogens. Dept. of Anthropology, University of Kansas, Lawrence KS. October 4.
- 2002 Biomolecular Archaeology: Summary and Speculations. Keynote Address, Visiting Scholars Program on Biomolecular Archaeology, David M. Reed, organizer. Southern Illinois University, Carbondale. April 19-20.
- 2002 Ancient DNA Analyses of Prehistoric Arctic Populations: Implications for Colonization. University of Alaska Museum, Fairbanks AK January 30.
- 2001 Invited Speaker: Third Annual ASU-SB Conference on Genetics and the Law: Legal and Ethical Issues in Genetic Research on Indigenous Populations. Sponsored by Arizona State University Center for the Study of Law, Science and Technology and SmithKline-Beecham Corp. Scottsdale, AZ.
- 2000 Ancient DNA and North American Archaeology. Utah State Archaeological Society. October 11.

Invited Lectures – cont.

- 2000 On Ancient DNA. Anthropology Department Colloquium. September 21.
- 2000 Geographic Patterns of Genetic Variation in Native North American Populations: Inferences from Ancient DNA. Departments of Biology and Anthropology, University of Missouri, Columbia, MO March 16.
- 1999 Molecular Variation in Ancient America: Population Origins and Regional History. IN: Molecular Anthropology: Unraveling the Secrets of Human Genomic Variation. Anthropology at the Crossroads Series, Joanna Mountain, Organizer & Chair. Dept. of Anthropological Sciences, Stanford University, May 21.
- 1999 Ancient DNA Analyses in Western North America: Implications for Regional Population History and Amerindian Origins. Department of Anthropology, University of California, Davis. April 12.
- 1999 Ancient DNA Analyses and Regional Population History: Case Studies from Western North America. Department of Anthropology, University of Kansas, Feb. 15.
- 1999 Informed Consent and Ancient DNA Research. IN: Anthropology, Genetic Diversity, and Ethics. AAAG and NSF supported workshop. Center for Twentieth Century Studies, University of Wisconsin - Milwaukee.
- O'Rourke, D.H. and M.G. Hayes
1999 The Collaborative Aleut Genetics Project: A Progress Report. The Aleut Corporation Board Meeting, Anchorage, AK, October 15.
- O'Rourke, D.H.
1998 Grant Submission and Funding Opportunities in Anthropology at the National Science Foundation. University of Kansas, Lawrence, May 4.
- 1998 Funding Patterns and Opportunities in Anthropology at NSF. University of Arkansas, Fayetteville, May 6.
- 1997 Trials, Temptations, and Triumphs: Theory and Practice in Ancient DNA Analysis. PLENARY LECTURE, American Association of Physical Anthropologists. St. Louis, MO. 3 April.
- 1996 Molecular Genetic Variation in the Prehistoric Great Basin. Armed Forces DNA Identification Laboratory. AFIP, Rockville, MD. 23 October.
- 1996 Molecular Genetic Variation in the Prehistoric Great Basin: A Cautionary Tale. 2nd Annual American Association of Anthropological Genetics Workshop. Denver, CO. 7-9 June.
- 1996 Molecular archaeology of the Intermountain West: Ancient DNA analyses of the Fremont, Anasazi, and their neighbors. Dept. of Anthropology, University of California, Davis. 13 May.
- 1995 Gene Geography: Diversity in the Americas Revisited. Geography Department Colloquium. Univ. of Utah. 12 May.
- 1995 Human Origins: New Data, Old Debates. Great Issues Forum, Utah State University, Logan. 7 February.
- 1989 Geographic variation in Native American gene frequencies. Dept. of Genetics, Institute of Cytology and Genetics, Siberian Branch of the Soviet Academy of Sciences, Novosibirsk, USSR. 2 July.
- 1988 Genetic Variation in Native America: Pattern and Process with Computer Graphics. Dept. of Anthropology, Idaho State University, Pocatello. April 26.
- 1986 Graphical Imaging Approaches in Anthropological Research: Examples from Physical Anthropology and Archeology. Dept. of Anthropology, SUNY-Albany. 22 October.
- 1986 Patterns of Genetic Variation in Native America: A Continental Perspective. Asa Gray Biological Society Lecture Series on Field Biology, Utica College of Syracuse University. Utica, NY. 20 October.

Invited Lectures – cont.

- 1986 Graphical Imaging Approaches in Population Genetics. Division of Biological Sciences and Dept. of Anthropology, University of Kansas. Lawrence, KS. 19 September.

INVITED SYMPOSIA CONTRIBUTIONS

J.H. Stone, C. Kisielinski, J. Tackney, S.M. Fitzpatrick, N. Ting, and D.H. O'Rourke

- 2020 Tracking human dispersals to Palau using ancient DNA: Results from the Chelechol ra Orrak site. IN: **When the Wild Winds Blow: Micronesia Colonization in Pacific Context**, M.F. Napolitano and S.M. Fitzpatrick, organizers. Society for American Archaeology, Austin, TX.

C. Kisielinski, J. Tackney, L.E.Y. Norman and D.H. O'Rourke

- 2020 Application of sedaDNA to differentiate between ancient Arctic material cultural traditions. American Geophysical Union. San Francisco, CA (poster symposium).

S. Ragsdale, L.E.Y. Norman, J.C. Tackney and D.H. O'Rourke

- 2019 Ancient genetic analysis of the Northwestern Alaskan Birnirk to Thule Archaeological transition. IN: **Global Leadership in dental anthropological research: A symposium in honor of G. Richard Scott**. Amer. Assoc. Phys. Anthrop. Cleveland, OH (poster symposium).

J.F. Hoffecker, G. Richard Scott, D.H. O'Rourke, M.A. Sicoli, and L.J. Hlusko

- 2019 Native American Origins: An interdisciplinary critique of current models. IN: **Global Leadership in dental anthropological research: A symposium in honor of G. Richard Scott**. Amer. Assoc. Phys. Anthrop. Cleveland, OH (poster symposium).

L.J. Hlusko, J.P. Carlson, G. Chaplin, S.A. Elias, J.F. Hoffecker, M. Huffman, N.G. Jablonski, T.A. Monson, D.H. O'Rourke, M.A. Pilloud, C. Taylor, and G.R. Scott

- 2019 World-wide variation in incisor shoveling reveals evidence of selection in the Beringian Standstill population. IN: **Global Leadership in dental anthropological research: A symposium in honor of G. Richard Scott**. Amer. Assoc. Phys. Anthrop. Cleveland, OH (poster symposium).

Broughton, J., L. Sykora, K. Beck, J. Tackney, A. Rogers, D. O'Rourke, M. Broughton and J. Coltrain

- 2019 Stable isotopes and ancient DNA in zooarchaeology: a case study of resource depression and distant patch use with California elk. IN: **Arrow of Time: Anthropological Disciplines of the Future**, B. Codding and L. Louderback, organizers. Great Basin Anthropological Conference, Salt Lake City, UT, Nov.8.

D.H. O'Rourke

- 2017 An Arctic Lens for American Migration: Integrating Genomics, Archaeology and Paleoecology. IN: **2nd International Human Migration Conference – What can Genomic and Cultural Diversity Tell Us About Migration**. Lourdes Munoz and M.H. Crawford, organizers. Mexico City, Mexico.
- 2017 Organizer and Moderator, Beringian Working Group Symposium. University of Kansas, Sept. 16-17.
- 2017 Genomic Signals of Pleistocene Beringian Refugia and Dispersals. IN: **Beringia and the Dispersal of Modern Humans in the Americas**. D.H. O'Rourke and John F. Hoffecker, organizers. AAAS meeting, Boston.

D.H. O'Rourke^{SEP}

- 2016 Symposium Discussant: **Primer of the Ancient Mariner: New Perspectives on aDNA Research and the Prehistoric Colonization of Islands**. J.H. Stone and S.M. Fitzpatrick, organizers. Society for American Archaeology, Orlando, FL.

J. Tackney, A.M. Jensen, W.S. Watkins, E. Fair, J.B. Coltrain, D. Anderson and D.H. O'Rourke^{SEP}

- 2016 Sweet aDNA O'Mine: The Rise and Fall of Ice Sheets and the Arctic Peopling from Beringia. IN: **Primer of the Ancient Mariner: New Perspectives on aDNA Research and the Prehistoric Colonization of Islands**. J.H. Stone and S.M. Fitzpatrick, organizers. Society for American Archaeology, Orlando, FL.

J. Tackney, A.M. Jensen, W.S. Watkins, E. Fair, J. Brenner-Coltrain, D. Anderson and D.H. O'Rourke
 2016 Northern genomes: Ancient mitogenomes and arctic prehistory. IN: *Evolutionary Approaches to Bioarchaeology*. J.T. Watson and R.M. Byrd, organizers. American Association of Physical Anthropologists, Atlanta, GA.

J.H. Stone, D.H. O'Rourke, J. Tackney, J. Krigbaum, S. Burnett and S.M. Fitzpatrick
 2015 Prehistoric Population Mobility in the Caribbean: Genetic and Isotopic Investigations at Grand Bay,, Carriacou, West Indies. IN: **Migration and Mobility in the New World**, J.H. Stone and A.M. Offenbecker, organizers. Society for American Archaeology, April 15-19.

Symposia Contributions – cont.

M.G. Hayes, J. Raff, J. Tackney, M. Rzhetskaya, and D.H. O'Rourke
 2015 Current Developments in Anthropological Genetics of the North American Arctic. IN: **Human Biology, Anthropological Genetics, and Beyond: A Multi-generational Perspective. HBA/AAPA Joint Poster Symposium in Honor of Michael H. Crawford**, W.R. Leonard and D.H. O'Rourke, organizers. St. Louis, MO, March 25-29.

M.G. Hayes and D.H. O'Rourke
 2015 Genetics of the Alaska North Slope: Past and Present. **North Slope Healthy Living Summit**, Barrow, AK.

D.H. O'Rourke
 2013 Molecular Approaches to Colonization and Population History in the North American Arctic. IN: **Human Evolution: Adaptations, Dispersals and Social Developments. The First Peopling of the Americas and World Heritage Convention**, UNESCO. Puebla, Mexico, Sept. 2-7.

D.H. O'Rourke and M.G. Hayes
 2013 Getting the Word Out: Community Consultation and Continuing Engagement in Anthropological Genetics Research. IN: **Evolution of Biological Anthropology: Defining a Future Discipline**, Graciela Cabana and Ben Auerbach, organizers. American Association of Physical Anthropologists, Knoxville, TN.

D.H. O'Rourke
 2013 The Potential of aDNA Analyses in Population and Paleocological Reconstructions in Coastal Western Alaska. IN: **Climate Challenge and Societal Responses at Cape Espenberg**, Owen K. Mason and Claire Alix, organizers. Alaska Anthropological Association, Anchorage, AK.

D.H. O'Rourke, J.C. Tackney and G. Figueiro
 2012 Ancient DNA Perspectives on South American Colonization. IN: **Early Man in South America: New Paradigms in Late Pleistocene/Early Holocene Biological Anthropology**, Mark Hubbe and Andre Strauss, organizers. American Association of Physical Anthropologists, Portland, OR.

J. Tackney, J.A. Raff, M. Rzhetskaya, A.M. Jensen, D.H. O'Rourke and M.G. Hayes
 2012 Ancient and Modern Genetic Diversity of Iñupiat Populations from the Alaskan North Slope. IN: **Innovation, Challenges, and New Directions in Genetic Research with Indigenous Populations**, Deborah Bolnick, organizer. AAAG Symposium, American Association of Physical Anthropologists, Portland, OR.

Jack M. Broughton, R. Kelly Beck, J. B. Coltrain, Dennis H. O'Rourke and Alan R. Rogers
 2012 Ancient DNA Analysis Confirms a Population Decline in California Tule Elk (*Cervus elaphus nannodes*). IN: **California Archaeology's Contribution to Conservation Biology**. Society of California Archaeology Annual Meeting, San Diego. 30 March.

D.H. O'Rourke
 2012 Culture of Science and Science of Culture: Contextualizing Evolution and Diversity. IN: **Scientific Humanists and Humanistic Scientists: Flattening the World With Anthropology**. Symposium organized by A. Fuentes for the 2010 AAAS meeting, Vancouver, CA. Feb. 19

Symposia Contributions – cont.

- 2011 Genetic Signature of the Dorset/Thule Transition: Concordance with Paleoclimatic Change in the North American Arctic. **CIFAR Workshop on Human-Environment Interaction in Long-term Perspective.** Vancouver, B.C., May 4.
- 2010 Session Chair & Symposium Discussant: **Why Do We Migrate? Interdisciplinary Exploration of Human Migration.** Organizer: MH Crawford. University of Kansas, March 1-2.
- 2010 The Origins of the First Americans Revisited. **CIFAR Workshop on Long-Term Human-Environment Interactions.** Vancouver, B.C., October 13.
- 2010 Discussant: **Anthropological Genetics in the Genomic Era: Challenges, Opportunities, & Directions.** Symposium co-sponsored by the AAAG and the AAPA. Organizers: GS Cabana and LM Havill. AAPA meetings, Albuquerque, NM April 17.
- 2009 Communities, Consultation & Consent: Ethical and Social Issues in Human Population Genomics. IN: **International Symposium on Ethics, Culture & Population Genomics.** Anthropological Survey of India, Organized for 34th Indian Society of Human Genetics meetings. March 18-20, New Delhi.
- D.H. O'Rourke, J. Tackney and J. Raff
- 2010 Ancient DNA Insights into American Colonization. IN: **New Developments in the Origins and Evolution of Native American Populations,** Jeffrey C. Long and Maria Cátira Bortolini, organizers. American Association of Physical Anthropologists, Albuquerque, NM.
- D.H. O'Rourke, J. Tackney, and A.M. Jensen
- 2008 Molecular Analysis of Early Thule at Nuvuk, Pt. Barrow, Alaska. IN: **Ancient DNA for Archaeologists,** Dongya Yang, organizer. Society of American Archaeology, Vancouver, BC, March 26-30.
- J.M. Enk, D.R. Yesner, K.J. Crossen, D.W. Veltre and D.H. O'Rourke
- 2008 Mitochondrial DNA Sequence of a Mid-Holocene Woolly Mammoth from the Pribilof Islands, Alaska: Implications for Mammoth Evolution, Dispersal, and Pleistocene Refugia. IN: **Ancient DNA for Archaeologists,** Dongya Yang, organizer. Society of American Archaeology, Vancouver, BC, March 26-30.
- O'Rourke, D.H., E. Marchani and J. Tackney
- 2008 mtDNA Diversity in Prehistoric Inhabitants of the Alaska Peninsula. Symposium in honor of Don Dumond, H. Mashner, Organizer. Alaska Anthropology Association Meetings, Anchorage, AK. 28 February – 1 March.
- Tackney, J. and D.H. O'Rourke
- 2007 Molecular variation and prehistory at Nuvuk, Pt. Barrow, AK. IN: **Archaeological Investigations at Nuvuk,** A. Jensen, organizer. Alaska Anthropology Meetings, Fairbanks, AK. March 16-17.
- Arismendi, J.L, J.B. Coltrain and D.H. O'Rourke
- 2006 Ancient mtDNA Sequence Variation in the North American Arctic. IN: **Human Populations of the Circumpolar Regions: Origins, Adaptation and Disease,** The Wiley-Liss Symposium for the AAPA. M.H. Crawford and C. Hanson, organizers. March
- Smith, S, M.G. Hayes, J.B. Coltrain and D.H. O'Rourke
- 2006 Inferring population continuity versus replacement with aDNA: A cautionary tale in the Aleutians. IN: **Genetic Perspectives on Prehistory and Human Evolution,** D.H. O'Rourke, organizer. AAAG Symposium presented at the AAPA meetings, Anchorage, AK, March
- O'Rourke, D.H., M.G. Hayes and S. Smith
- 2005 Molecular variation in prehistoric Aleutian populations. IN: **The People of the Aleutian Islands: Origins, Cultural and Genetic Variation,** M.H. Crawford and D.H. O'Rourke, organizers. Alaska Anthropology Association meetings, Anchorage. March.

Symposia Contributions – cont.

Arismendi, J.L. and D.H. O'Rourke

- 2005 Mitochondrial DNA sequence variation and temporal continuity in Aleut populations. IN: **The People of the Aleutian Islands: Origins, Cultural and Genetic Variation**, M.H. Crawford and D.H. O'Rourke, organizers. Alaska Anthropology Association meetings, Anchorage. March.

O'Rourke, D.H., D.L. West and J.B. Coltrain

- 2004 Human presence and impact in the prehistoric Aleutian Islands. IN: **Oceanography and Ecology of the Aleutian Archipelago**, George L. Hunt, Jr. and Carol Ladd, organizers. ASLO/TOS Ocean Research Conference, Honolulu, HI, 15-20 February.

Coltrain, J.B., M.G. Hayes and D.H. O'Rourke

- 2003 Resource choice in the eastern Canadian Arctic: Whaling and its role in prehistoric economies. IN: **From Neoevolutionary Theory to the Archaeological Record: Models, Methods and Explanation**, K. Lupo, M. Collard and J.B. Coltrain, organizers. SAA meetings, Montreal, Canada, 31 March-4 April.

O'Rourke, D.H.

- 2003 Consultation and Consent: Ethical and Social Issues in Modern Human Population Genetic Research. IN: **Genetics of Complex Diseases and Isolated Populations**, GENOS Conference, Totoli, Sardinia, Italy, May 23-30.

Hayes, M.G., J.B. Coltrain and D.H. O'Rourke

- 2002 Paleogenetic Assessments of Human Migration and Population Replacement in North American Arctic Prehistory. Arctic Forum, Washington, D.C., May 16. *Arctic Forum 2002*, The Arctic Research Consortium of the U.S. (ARCUS), Fairbanks, AK, p. 11 (abstract).

O'Rourke, D.H.

- 2002 Taking Anthropological Genetics into the 21st Century. IN: **2002 AAAG Symposium – Anthropological Genetics in the Post-Genome Era**. R. Devore, Organizer/Chair. AAPA meetings, Buffalo NY. April 10.
- 2002 Genetic Considerations in Multigenerational Space Travel. IN: **Interstellar Travel and Multi-Generation Space Ships**, Yoji Kondo and John Moore, Organizers. AAAS Meeting, Boston MA, Feb. 15.

O'Rourke, D.H., M.G. Hayes and S.W. Carlyle

- 2001 Intraspecific Population Genetics: Population Structure and Patterned Genetic Variation. IN: **100 Years of Biological Anthropology and the AAA**, J.M. Calcagno, Organizer and Chair. AAA meetings, Washington DC, Nov. 28-Dec. 2.

M.G. Hayes and D.H. O'Rourke

- 2001 aDNA Analyses of Dorset, Thule, Sadlermiut, and Aleut samples from Prehistoric North America. IN: **Applied Technology & Analytical Methods: aDNA Studies**. Niels Lynnerup, Organizer, 4th World Congress on Mummy Studies, Nuuk Greenland. Sept. 4-10 (aDNA session co-chair with Bruno Frøhlich).
- 2001 Molecular Genetic Analysis of Aleutian Prehistory. IN: **The Scientific Study of Human Remains**, Allison Young, organizer. Aleut village Corporation Seminars and Aleut Corporation Annual Shareholders Meeting. Anchorage, AK, Oct. 11-13. (poster)
- 2000 Molecular Genetic Characterization of the Dorset-Thule Transition in the Eastern Canadian Arctic. IN: **Physical Anthropology in the Study of Canada's History: In Tune with the Times**, J.S. Cybulski, organizer/chair. Canadian Archaeology Association, Ottawa, ON.
- 2000 Ancient DNA analysis of prehistoric arctic peoples II: The Eastern Canadian arctic. Arctic Archaeology Conference. Lawrence, KS November 3-4.
- 2000 Transitions in the North American Arctic: A Comparison of Archaeological, Skeletal, and Ancient DNA Data. IN: **Ancient DNA in the New World**, D.A. Merriwether, Organizer & Chair. American Anthropological Association. San Francisco, CA. 15-19 Nov.

Symposia Contributions – cont.

- O'Rourke, D.H., M.G. Hayes and S.W. Carlyle
 2001 Contributions of aDNA analyses to human population biology. IN: **DNA as the Thread of Life: Applications to Human Population Biology**, M.H. Crawford, Organizer and Chair, Human Biology Association meetings, Kansas City, MO. March 26-28.
- 2001 The Consent Process and aDNA Research: Contrasting Approaches in Northern North America. IN: **Biological Anthropology and Ethics**. Trudy Turner, Organizer and Chair. AAPA, Kansas City, MO.
- Carlyle, S.W. and D.H.. O'Rourke
 2000 Anasazi/Pueblo Affinity. IN: **Ancient DNA in the New World**, D.A. Merriwether, Organizer & Chair. American Anthropological Association. San Francisco, CA. 15-19 Nov.
- O'Rourke, D.H. and M.G. Hayes
 2000 Ancient DNA analysis of prehistoric arctic peoples I: The Aleutian Islands. Arctic Archaeology Conference. Lawrence, KS November 3-4.
- 2000 Molecular Genetic Characterization of the Dorset-Thule Transition in the Eastern Canadian Arctic. IN: **Physical Anthropology in the Study of Canada's History: In Tune with the Times**. J.S. Cybulski, Organizer & Chair. Canadian Archaeology Association, Ottawa, ON. 5 May.
- O'Rourke, D.H., S.W. Carlyle and M.G. Hayes
 1999 Ancient DNA Patterns and the Peopling of the Americas. IN: **Population Origins and Evolution in the New World**, C. Kolman and J.C. Long, Organizers. AAPA. Columbus, OH. April 30.
- O'Rourke, D.H.
 1998 Ancient DNA Analyses: Current Applications and Future Prospects. IN: **Anthropological Genetics in the 21st Century**. International Congress of Anthropological and Ethnological Sciences, M.H.. Crawford, Organizer & Chair. Williamsburg, VA. July 28.
- O'Rourke, D.H., R.L. Parr, and S.W. Carlyle
 1997 Ancient DNA Analyses in the Eastern Great Basin: The Northern Utah Fremont and Their Neighbors. IN: **Prehistoric Population Structure, Variation, and Interaction: Population Genetic Perspectives and Applications**, C.A. Raemsch and D.W. Steadman, Organizers. AAPA. St. Louis, MO. *Amer. J. Phys. Anthrop.* Suppl. 24:181 (abstract)
- Parr, R.L., S.W. Carlyle and D.H. O'Rourke
 1994 Molecular genetic analysis of Fremont and Anasazi populations. 24th Great Basin Anthropological Conference, Elko, NV. Oct. 7.
- O'Rourke, D.H., R.L. Parr and S.W. Carlyle
 1994 Molecular genetic variation in prehistoric inhabitants of the Eastern Great Basin. IN: **Great Basin Bioarchaeology: Desert Wet Lands Adaptations**. Society of American Archaeology, Anaheim, CA. 23 April.
- O'Rourke, D.H., S.W. Carlyle and R.L. Parr
 1993 DNA variation in prehistoric Amerindian populations. IN: **Individual, Intra- and Inter-Population Variation in DNA**, Human Biology Council Symposium, Toronto, Canada, 14 April. *Amer. J. Hum. Biol.* 5(1):132-133 (abstract).
- O'Rourke, D.H.
 1989 Use of DNA amplification in anthropological research. IN: **Molecular Anthropology**, Symposium sponsored by the National Association of Student Anthropologists, AAA meetings, Washington, D.C., 18 November.
- Suarez, B.K., C.L. Hampe, M.A. Province and D.H. O'Rourke
 1989 Genetic analysis of blood pressure in seven related Amish-Mennonite communities. IN: **Population Biology of the Anabaptists**. AAPA meetings, San Diego, CA. *Amer. J. Phys. Anthrop.* 78(2):311 (abstract)

Symposia Contributions – cont.

- O'Rourke, D.H. and A.S. Lichty
1988 Spatial Analysis and Gene Frequency Maps of Native North American Populations. IN: **Genetics and Population Structure**. 12th International Congress of Anthropological and Ethnological Sciences, Zagreb, Yugoslavia, 29 July.
- O'Rourke, D.H. and B.K. Suarez
1986 The Geography of Gene Frequencies in American Indians. IN: **Genetic Approaches to Physical Anthropology: Symposium in Honor of James N. Spuhler**. AAPA meetings, Albuquerque, NM. *Amer. J. Phys. Anthropol.* 69(2):249 (abstract).
- Crawford, M.H., E.J. Devor, D.H. O'Rourke, L. Yakovleva, A. Voevodin and B. Lapin
1986 Genetics of Primate Lymphoma in a Baboon (*Papio hamadryas*) colony, Sukhumi, U.S.S.R. IN: **Symposium on Genetic Research with Nonhuman Primates: Serving the Needs of Mankind**. Southwest Foundation for Biomedical Research, San Antonio, TX. 2-5 March.
- O'Rourke, D.H., P. McGuffin and T. Reich
1982 The Genetics of Manic-Depressive Illness. IN: **Genetic Analysis of Human Disease: Application to Clinical and Population Data**. AAPA meetings, Eugene, OR. *Amer. J. Phys. Anthropol.* 57(2):216 (abstract). Organizer and moderator of Symposium.
- Crawford, M.H. and D.H. O'Rourke
1981 Inbreeding, Heterozygosity and Lymphoma Risk Among the Baboons (*Papio hamadryas*) of Sukhumi, U.S.S.R. American Society of Primatologists, San Antonio, TX. June. *Amer. J. Primat.* 1:321 (abstract).
- O'Rourke, D.H.
1978 Sexual dimorphism of the dentition in contemporary Tlaxcaltecan communities. IN: **Sexual Dimorphism in Human Evolution**. AAPA meeting, Toronto, Canada. *Amer. J. Phys. Anthropol.* 48(3):424. (abstract)

CONTRIBUTED PAPERS

- Potter, B., C. Kisielinski, J. Tackney, J. Raff, D. O'Rourke and F. Sellett
2020 Bloody Sharp Rocks: Optimization of aDNA extraction from experimental lithic artifacts. Society for American Archaeology, Austin, TX April 22-26.
- Kisielinski, C., Tackney, J., D.H. O'Rourke and R. Mandel
2019 eDNA analysis of mid-latitude sites for paleoenvironmental reconstruction. International Union for Quaternary Research (INQUA) Congress, Dublin, Ireland. July 26.
- Stone, J.H., C. Kisielinski, J. Tackney, S.M. Fitzpatrick, N. Ting and D.H. O'Rourke
2019 Exploring population origins and dispersals using aDNA at Chelechol ra Orrack, Palau. American Association of Physical Anthropology, Cleveland, OH, March 30.
- Alden, S.D., K.G. Beaty, C. Barrett, J. Tackney, M.H. Crawford, D.H. O'Rourke and J. Raff
2019 Genetic structure of the Unangan population of the Aleutian Islands. Alaska Anthropology Association. Nome, AK, March 1.
- Hoffecker, J.F., S.A. Elias, D.H. O'Rourke, G.R. Scott, L.J. Hlusko, M.A. Sicoli
2018 Beringian Standstill 2018. The Arctic Workshop, INSTAAR CU-Boulder. April. 6.
- Stone, J.H., J. Tackney, D.H. O'Rourke, J. Krigbaum, S.M. Fitzpatrick and G.C. Nelson
2014 Ancient DNA and isotopic analysis of human skeletal remains from Chelechol ra Orrack, Republic of Palau. American Association of Physical Anthropologists, St. Louis, MO. March 25-29.

Contributed Papers – cont.

- Tackney, J., A.M. Jensen, S. Watkins, J. Brenner-Coltrain and D.H. O'Rourke
2014 Full Ancient Mitochondrial Genomes Using the Ion Proton Platform: Analyzing the Genetic Diversity of the Neo-Eskimo. American Association of Human Genetics, San Diego, CA, Oct. 18-22.
- Hoffecker, J.F., S.A. Elias and D.H. O'Rourke
2014 Out of Beringia: Genetics, Paleo-ecology, and Archaeology. Paleoanthropology meeting, Calgary, Alberta. April 13.
- Tackney, J., A.M. Jensen, J.A. Raff, M.G. Hayes and D.H. O'Rourke
2012 Ancient Genetic Diversity of the Thule at Nuvuk, Point Barrow, Alaska. 18th Inuit Studies Conference, Washington, D.C., Oct 25.
- Tackney, J., A.M. Jensen, J.A. Raff and D.H. O'Rourke
2011 Ancient mtDNA Analysis at Nuvuk, an Ancient Thule Village at Pt. Barrow, Alaska. American Association of Physical Anthropologists. Minneapolis, MN. April 15.
- Raff, J.A., J. Tackney and D.H. O'Rourke
2011 South From Alaska: An aDNA Study of the Genetic History of the Alaska Peninsula and Eastern Aleutians. American Association of Physical Anthropologists. Minneapolis, MN. April 15.
- Tackney, J. and D.H. O'Rourke
2009 Molecular Genetic Analysis at Nuvuk, Pt. Barrow, AK: Further Insights into Thule Diversity and Dispersal. Arctic Conference, Boulder, CO. Nov. 14.
- Raff, J., E. Marchani and D.H. O'Rourke
2009 MtDNA Sequences in Prehistoric Populations of the Alaska Peninsula: Mink Island and Port Moller. Arctic Conference, Boulder, CO. Nov. 14.
- Tackney, J., A.M. Jensen and D.H. O'Rourke
2007 Molecular Analysis of Early Thule at Nuvuk, Pt. Barrow, Alaska. Arctic Conference, Pocatello, ID. Nov. 1.
- Smith, S.E., M.G. Hayes, J.B. Coltrain, G. S. Cabana, and D. H. O'Rourke
2007 Ancient DNA analyses of 80 Aleutian human samples: inferences about population histories and past migrations. Arctic Conference, Pocatello, ID. Nov. 1.
- Enk, J.M., D.R. Yesner, K.J. Crossen, D.V. Veltre, D.H. O'Rourke
2007 Genetic Sequence from a 6000 year old Woolly Mammoth from St. Paul Island, AK. Arctic Conference, Pocatello, ID. Nov. 1.
- Jensen, A.M., D.H. O'Rourke and S. Miller
2006 Learning from the Past: Archaeology of Nuvuk. ARCUS Annual Meeting and Arctic Forum. Washington, D.C., 25 May.
- O'Rourke, D.H., M.G. Hayes and J.B. Coltrain
2001 Prehistoric Aleut genetic diversity and alternative views of the peopling of the Arctic. Arctic Conference. Salt Lake City UT. October 26.
- M.G. Hayes, J.B. Coltrain and D.H. O'Rourke
2001 Paleogenetic analysis of the Dorset-Thule transition. Arctic Conference. Salt Lake City UT. October 26.
- J.B. Coltrain, M.G. Hayes and D.H. O'Rourke
2001 A reexamination of Hrdlicka's Pre-Aleut and Aleut categories based on radiocarbon dating and stable isotope chemistry. Arctic Conference. Salt Lake City UT. October 26.

Contributed Papers – cont.

Hayes, M.G. and D.H. O'Rourke

- 2001 Genetic signatures of migrations and population replacements during human colonization of the North American Arctic. *Amer. Soc. Hum. Genet.*, San Diego, CA, October 12-16. *Amer. J. Hum. Genet.* Suppl. 69(4):179 (abstract)

Carlyle, SW and D.H. O'Rourke

- 2001 MtDNA variation among the Western Anasazi. (Poster) *Amer. Assoc. Phys. Anthrop.*, Kansas City MO. *Amer. J. Phys. Anthrop.* Suppl. 32:47 (abstract)

Carlyle, S.W., R. L. Parr, D. H. O' Rourke

- 2000 Anasazi/Fremont Interaction in Southeast Utah: A Molecular Genetic View. 27th Biennial Great Basin Anthropological Conference, Ogden UT, Oct. 5-7

Hayes, M.G. and D.H. O'Rourke

- 2000 Population replacement in human prehistory as assessed by ancient mtDNA. (Poster) *Amer. Soc. Hum. Genet.*, Philadelphia, PA. *Amer. J. Hum. Genet.* Suppl. 2 to 67(4):235 (abstract)
- 2000 Replacement versus continuity in the prehistoric North American Arctic as assessed by ancient mtDNA. (Poster) *Amer. Assoc. Phys. Anthrop.* San Antonio, TX. *Amer. J. Phys. Anthrop.* Suppl. 30:174-175. (abstract)

Carlyle, S.W., M.G. Hayes and D.H. O'Rourke

- 1999 Patterns of regional mtDNA variation in the ancient Americas. Clovis and Beyond - Peopling of the Americas Conference. Santa Fe, NM Oct. 29-30.

Hayes, M.G., S.W. Carlyle and D.H. O'Rourke

- 1999 Concordance of geographic patterning in mtDNA variation in ancient and modern Amerindian samples. (Poster) *Amer. Soc. of Hum. Genet.*, San Francisco, CA. *Amer. J. Hum. Genet.* 65(4):A204, Suppl. (abstract)

M.G. Hayes and D.H. O'Rourke

- 1998 Ancient Aleuts: Eskimos, Indians,...Other? *Soc. Mol. Biol. and Evol.* Vancouver, B.C. 16 June.

Carlyle, S.W., D.H. O'Rourke, and M.G. Hayes

- 1997 Maternal lineages in the US southwest through time. (Poster) *Amer. Assoc. Phys. Anthrop.*, St. Louis, MO. *Amer. J. Phys. Anthrop.* Suppl. 24:88 (abstract)

Carlyle, S.W., R.L. Parr and D.H. O'Rourke

- 1996 Ancient maternal lineages in the prehistoric Southwest. (Poster) 1996 Southwest Symposium: Regional Interaction in the Prehistoric Southwest. Arizona State University, Tempe, 9-10 February.
- 1994 Genetic diversity and population affinities in the prehistoric Great Basin and U.S. Southwest. (Poster) *Amer. Soc. of Hum. Genet.*, Montreal, Canada. *Amer. J. Hum. Genet.* 55(3):A148, Suppl. (abstract).

Suarez, B.K., C.L. Hampe, D.H. O'Rourke, P. Van Eerdewegh, and T. Reich

- 1994 The utility of sib-based nonparametric linkage tests for detecting susceptibility loci contributing to an oligogenic trait. Genetic Analysis Workshop 9. Far Hills Inn, Quebec, 16-18 October.

Parr, R.L., S.W. Carlyle and D.H. O'Rourke

- 1993 Mitochondrial DNA variation in the prehistoric Great Basin and the American Southwest. (Poster) 2nd International Ancient DNA Conference, Smithsonian Institution. Oct. 7-9.

Mobarry, A. and D.H. O'Rourke

- 1992 Genetic variation and linguistic diversity in South Amerindians. (Poster) Human Biology Council meetings, Las Vegas, NV. *Amer. J. Hum. Biol.* 4(1):146. (abstract)

Contributed Papers – cont.

- Bamshad, M., M.H. Crawford and D.H. O'Rourke
 1991 Biochemical heterozygosity and morphologic variation in a colony of *Papio hamadryas*. AAPA Milwaukee, WI.
Amer. J. Phys. Anthrop. Suppl. 12:47. (abstract)
- Pääbo, S., W.K. Thomas, N.L. Shearin, D.H. O'Rourke, A.C. Wilson
 1989 Ancient DNA as a means to study evolution. (Poster) *UCLA Symp. Mol. Biol.*
- Shearin, N.L., E.J. King and D.H. O'Rourke
 1988 Histological and molecular genetic investigation of naturally preserved human tissue. AAPA Kansas City, MO.
Amer. J. Phys. Anthrop. 75(2):270 (abstract).
- O'Rourke, D.H., B.K. Suarez and J.D. Crouse
 1984 Patterning of genetic variation in Amerindian populations. AAPA meetings, Philadelphia, PA.
Amer. J. Phys. Anthrop. 63(2):200. (abstract)
- O'Rourke, D.H.
 1979 Components of genetic and environmental variation in hamadryas baboon morphometrics. AAPA San Francisco, CA.
Amer. J. Phys. Anthrop. 50(3):469. (abstract)
- O'Rourke, D.H. and M.H. Crawford
 1977 Fluctuating dental asymmetry in four populations of related genetic background. AAPA Seattle, WA.
Amer. J. Phys. Anthrop. 47(1):153. (abstract)
- O'Rourke, D.H. and R.M. Baume
 1977 Dental variability among the Black Caribs of Belize. AAA meetings, Houston, TX.
- O'Rourke, D.H.
 1976 Odontometric analysis of four Mexican populations of related genetic background. AAPA St. Louis, MO.
Amer. J. Phys. Anthrop. 44(1):197. (abstract)
- 1976 Effect of population composition and hybridization on microevolution of tooth size and shape in four Mexican Indian populations. Kansas Anthropology meetings, Wichita, KS.
- 1974 Differentiation of dental traits in a transplanted Tlaxcaltecan community. AAA meetings, Mexico City.
- Crawford, M.H., D.H. O'Rourke, P. Lin and R. Baume
 1975 Microevolution in Mexican populations. AAA meetings, San Francisco, CA.

Courses Taught

Lower Division - Undergraduate	Human Origins: Evolution & Diversity Human Nature
Upper Division - Undergraduate	Fundamentals of Biological Anthropology Human Variation & Evolution Biological Variation in Native American Populations Introduction to Human Evolutionary Biology Human Biology Paleoanthropology Human Osteology Human Subjects Research Ethics/Responsible Research Practice Statistics & Quantitative Data Analysis
Graduate	Responsible Research and Scholarship in Anthropology Seminars in Biological & Evolutionary Anthropology Population and Quantitative Genetics: Evolutionary Dynamics (team taught) Research Methods in Biological Anthropology Preparation of Grant Proposals in Anthropology Ancient DNA Seminar

Invited Short Course

American Colonization & Dispersal: Reconciling the Genetic, Archaeological, and Paleoecological Records.
Departamento de Antropología Biológica, Universidad de la República, Montevideo, Uruguay – May 27-30, 2013.

COMMITTEE ASSIGNMENTS	Date Begin	Date End
<u>UNIVERSITY</u>		
Steering Committee, Council of Distinguished Professors (KU)	2017	2020
Institutional Review Board, Co-Chair & IRB Exec. Comm. Member	2005	2015
University Promotion & Tenure Advisory Committee	2011	2011
University Teaching Committee	2004	2005
University Press Faculty Editorial Advisory Committee	2002	2005
Funding Incentive Seed Grant Committee	2001	2004
University Research Committee	1999	2001
Senate <i>ad hoc</i> committee on Faculty Hearing Committees	1998	2000
Sponsored Research Advisory Committee	1998	2000
Graduate Council Review, Internal Review Committee		
Department of Human Genetics	2000 & 2008	2000 & 2008
Department of Geography	1994	1994
Institutional Review Board (Health Sciences Division)	1993	1996
Community and Governmental Relations Committee	1993	1996
Research and Development Taskforce	1992	1995
Task Force on International Studies and	1990	1995
Subcommittee on Faculty Exchange (co-chair)	1990	1992
Enrollment Management Coordinating Committee	1994	1994
Planning Committee: Russian and East European Studies Program	1992	1993
Undergraduate Research Opportunities Program Advisory Board	1989	1992
Academic Freedom and Tenure Committee	1990 & 2010	1993 & 2011
Freshman Mentoring Program Advisory Board	1989	1992
Utah Supercomputing Institute Advisory Board	1989	1990
Liberal Education Council	1989	1990
Search Committee - Dean of Undergraduate Studies 1989	1990	
Languages Institute Advisory Board	1988	1989
Ad Hoc Computer Literacy Committee	1982	1983
Search Committee – CSBS Dean of College of Social and Behavioral Sciences	1978	1979
<u>COLLEGE</u>		
CSBS Strategic Planning Advisory Committee	2014	2015
Dean's Research Advisory Group	2010	2013
Liberal Education Social Science Area Committee (Chair 1989-'90)	1989	1996
Superior Teaching Award Committee	1992	1993
Research Committee (Chair)	1989	1990
Curriculum Committee (Chair)	1989	1990
Ad hoc Committee for Statistics Curriculum (Chair)	1989	1990
Search Committee (Chair), for Associate Director, American West Center	1989	1989
College Curriculum Reform Panel	1988	1990
Retention, Promotion and Tenure Committee	1998	2001
	1985	1987
Computer Advisory Committee	1982	1985

COMMITTEE ASSIGNMENTS – CONT.	Date Begin	Date End
<u>DEPARTMENT</u>		
KANSAS		
Personnel Committee	2017	present
Executive Committee	2017	2019
Graduate Committee	2016	2019
UTAH		
Curriculum Committee (Chair)	2008	2013
Retention, Promotion and Tenure Committee (Chair)	2004	2005
	1999	2001
	1985	1986
Executive Committee (Chair 1990-'96)	1984	1996
Leigh Lecture Committee (Chair 1984-'87)	1984	2015
Agenda Committee	1982	1984
Graduate Committee	1981	1982
Facilities and Resources Committee (Chair 1979-'80))	1978	1980
<u>NATIONAL SCIENCE FOUNDATION</u>		
SBER Initiative Council	1997	1998

STUDENT COMMITTEES

Student	Degree	Year	Student	Degree	Year
<u>Chairman</u>			<u>Member</u>		
	UTAH			UTAH	
Bradford Towne	M.A.	1982	Michael Berry	Ph.D.	1980
Brian Corner	M.A.	1983	Carol Wiens	M.A.	1981
Alicia Rudin	M.A.	1985	Kim Hill	Ph.D.	1983
George Lanier	M.A.	1987	Hillard Kaplan	Ph.D.	1983
Nancy Shearin	M.S.	1991	Kevin Jones	Ph.D.	1984
Ann Mobarry	M.A.	1993	Claudia Berry	Ph.D.	1985
Teresa Potter	M.A.	1999	Virginia Harrington	Ph.D.	1986
Steve Mastranzunzio	M.A.	2005	Naoko Takazaki	M.S.	1991
Elizabeth Marchani	M.A.	2005	Karen Lupo	Ph.D.	1993
Shawn Miller	M.A.	2007	Shannon Novak	M.A.	1993
Justin Tackney	M.A.	2008	Joan Coltrain	Ph.D.	1997
Jake Enk	M.A.	2008	K. Renee Barlow	Ph.D.	1997
C. Rachel Ream	M.A.	2011	Rika Kaestle (UC-Davis)	Ph.D.	1998
Jera Pecotte	Ph.D.	1985	Shannon Novak	Ph.D.	1999
Karen Rice	Ph.D.	1985	Elise Eller	Ph.D.	2000
Bradford Towne	Ph.D.	1986	Steven Josephson	Ph.D.	2000
Duncan Metcalfe	Ph.D.	1986	Steve Wooding	Ph.D.	2001
Ryan Parr	Ph.D.	1998	Ripan Malhi (UC-Davis)	Ph.D.	2001
M. Geoffrey Hayes	Ph.D.	2002	Siiri Wilson	M.A.	2005
Shawn Carlyle	Ph.D.	2003	Beth Shook (UC-Davis)	Ph.D.,	2005
Caitlin Dardenne	Ph.D.	2013	Lucha Pfister (UNLV)	M.A.	2006
Gonzalo Figueiro	Ph.D.	2013	Elizabeth Marchani	Ph.D.	2008
(co-orientador, UDELAR, Montevideo, Uruguay)			Jamie Clark	M.A.	2009
Derinna Kopp	Ph.D.	2014	Silvia Smith	Ph.D.	2010
Jacquel Arismendi	Ph.D.	2015	Teresa Potter	Ph.D.	2011
Caroline Kisielinski	M.A.	2016	Rebecca Nelson (Comm.)	M.A.	2013
Justin Tackney	Ph.D.	2016	Brett Kennedy	Ph.D.	2013
	KANSAS		R. Kelly Beck	Ph.D.	2014
Jessica Dow	M.A.	current	Nicole Torosin	M.A.	2016
Sara Ragsdale	M.A.	2019	Nicole Torosin	Ph.D.	2019
Christopher Barrett	Ph.D.	current	Tom Flanigan	Ph.D.	current
Caroline Kisielinski	Ph.D.	current	Shawn Miller	Ph.D.	2018
Sarah Ragsdale-Unkel	Ph.D.	current	Samantha Davis	Ph.D.	current
Kevin Chovanec (EEB)	Ph.D.	current (Co-Chair)	Ellie Fair	Ph.D.	current
	POST-DOCTORAL FELLOWS			KANSAS	
Jennifer Raff	Post-doc.	2008-2011	Kristine Beaty	Ph.D.	2017
Justin Tackney	Post-doc.	current	Randy David	Ph.D.	2019
Lauren Norman	Post-doc.	current	Bethany Potter	Ph.D.	current
			Lydia Sykora	Ph.D.	current
			Spencer Mattingly (EEB)	Ph.D.	current
			Kelsey Jorgensen (Wayne St)	Ph.D.	current
EXTERNAL EXAMINER					
Ryan Lamer (Lakehead University)	M.S.	2006			
Camilla Speller (Simon Fraser University)	Ph.D.	2009			
Michael Donelly (Yale University)	Ph.D.	2011			
Ana Morales-Arce (University of Calgary)	Ph.D.	2017			

17 July 2020