

Curriculum Vitae

Kevin M. Kelly, PhD

Adjunct Associate Professor of Anthropology
Associate Research Scientist Emeritus, College of Public Health

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Education

- 1988 PhD, Anthropology, University of Illinois at Urbana-Champaign, Urbana, Illinois.
- 1980 AM, Anthropology, University of Illinois at Urbana-Champaign, Urbana, Illinois.
- 1977 BA with Honors, Anthropology, University of Iowa, Iowa City, Iowa.

Research Areas

health & human variation; population health; Pacific prehistory; craniofacial biology; mixed methods

Honors

- 2017 Center for Surveillance, Epidemiology, and Laboratory Services Honor Award Nominee
- 1994 Fellow, American Anthropological Association
- 1993 Associate, Plastic Surgery Research Council

Professional Experience

- 1997-pres Adjunct Associate Professor, Department of Anthropology, University of Iowa.
- 2021-pres Associate Research Scientist Emeritus, University of Iowa.
- 2016-2021 Deputy Director and Co-Investigator, Healthier Workforce Center of the Midwest [*formerly*, Healthier Workforce Center for Excellence], College of Public Health, University of Iowa
- 2017-2020 Director of Evaluation, Healthier Workforce Center of the Midwest, College of Public Health, University of Iowa
- 1998-2021 Associate Research Scientist, Department of Occupational and Environmental Health, College of Public Health, University of Iowa.
- 2011-2016 Center Coordinator, Healthier Workforce Center for Excellence, College of Public Health, University of Iowa
- 2011-2016 Co-Director, Evaluation and Statistic Program, Healthier Workforce Center for Excellence, College of Public Health, University of Iowa
- 2010-2014 Study Coordinator and Co-investigator, Keokuk County Rural Health Study, Great Plains Center

- for Agricultural Health, Department of Occupational and Environmental Health, University of Iowa.
- 2006-2015 Research Scientist, Environmental Modeling and Exposure Assessment Facility, Environmental Health Sciences Research Center, Department of Occupational and Environmental Health, University of Iowa.
- 2002-2003 Research Associate, Field Museum, Chicago.
- 1996-1998 Data Base Analyst I, Department of Preventive Medicine and Environmental Health, University of Iowa.
- 1996 Supervisor, Department of Clinical Research, Columbia Hospital at Medical City Dallas, Dallas, Texas.
- 1991-1996 Senior Scientist, Department of Clinical Research (formerly, Humana Advanced Surgical Institutes), Medical City Dallas Hospital.
- 1990-1991 Acting Director, Otolaryngology Research Laboratory, University of Iowa.
- 1988-1991 Assistant Research Scientist, Department of Otolaryngology-Head and Neck Surgery, University of Iowa.
- 1988-1991 Adjunct Assistant Professor, Department of Anthropology, University of Iowa.
- 1986-1987 Visiting Instructor, Department of Anthropology, University of Iowa.
- 1983-1988 Research Assistant III, Cleft Palate Surgical Research Laboratory, Department of Otolaryngology-Head and Neck Surgery, University of Iowa.
- 1982 Visiting Instructor, Department of Anthropology, University of Iowa.
- 1982 Research Assistant, Cytogenetics Research Laboratory, Department of Pediatrics, University of Iowa.

Professional Memberships

- 1983-pres American Anthropological Association, Fellow since 1993
- 1983-pres Biological Anthropology Section of the American Anthropological Association
- 2004-pres Society for Anthropological Science
- 1980-2021 Human Biology Association
- 2007-2021 Society for the Study of Human Biology
- 2017-2021 Association for the Anthropology of Policy
- 2008-2021 Evolutionary Anthropology Society
- 1988-2010 American Cleft Palate-Craniofacial Association
- 1980-2010 American Association of Physical Anthropologists
- 1993-1995 Plastic Surgery Research Council
- 1983-2012 Society for Medical Anthropology

Grants, Contracts and Fellowships

- 2016-2021 Co-Investigator, Pilot/Feasibility Program (N Fethke, Principal Investigator) National Institute for Occupational Safety and Health grant to the Healthier Workforce of the Midwest (DS Rohlman, Center Director), 2016-2021, \$324,155.

- 2016-2021 Co-Investigator, Outreach Core (S Campo, Principal Investigator) National Institute for Occupational Safety and Health grant to the Healthier Workforce of the Midwest (DS Rohlman, Center Director), 2016-2021, \$1,432,455.
- 2006-2013 Co-Investigator, Keokuk County Rural Health Study: The epidemiology of disease and injuries in an agricultural county. (JA Merchant, Principal Investigator) National Institute for Occupational Safety and Health grant to the Great Plains Center for Agricultural Health (JA Merchant, Center Director), 2006-2011, \$1,916,315.
- 2001-2006 Co-Investigator, Keokuk County Rural Health Study: The epidemiology of disease and injuries in an agricultural county. (JA Merchant, Principal Investigator) National Institute for Occupational Safety and Health grant to the Great Plains Center for Agricultural Health (JA Merchant, Center Director), 2001-2006, \$2,499,000.
- 2001-2006 Co-Investigator, Exposure intervention in a rural pediatric asthma cohort. (PS Thorne, Principal Investigator) National Institute of Environmental Health Sciences, 2001-2006, \$1,300,000.
- 2002 Co-Investigator, Pilot Study of Provider Colorectal Cancer Screening Practices in Iowa. (NJ Thompson, Principal Investigator) American Cancer Society – Midwest Chapter, 2002, \$14,000.
- 2001-2002 Training grant recipient, The Etiology and Pathogenesis of Airway Disease in Children from Rural Communities (G Hunnihake, Program Director), 2001-2002, \$52,920.
- 1998-2001 Co-Investigator, Keokuk County Rural Health Study (JA Merchant, Principal Investigator) National Institute for Occupational Safety and Health grant to the Great Plains Center for Agricultural Health (S Reynolds, Center Director), 1998-2001, \$2,399,000.
- 1993 Principal Investigator, Repair of bone defects using hydroxyapatite cement. Liebig Instruments, Dallas, TX, 1993, \$20,000.
- 1993 Principal Investigator, A comparative study of the use of two different plating systems under stress in the treatment of craniofacial deformities. Storz Medical, St. Louis, MO, 1993, \$50,000.
- 1992 Principal Investigator, A comparative study of the two different plating systems on craniofacial growth. Storz Medical, St. Louis, MO, 1992, \$50,000.
- 1991 Principal Investigator, The efficacy of perforated demineralized bone matrix (PDBM) cranioplasty. Pacific Coast Tissue Bank, Los Angeles, CA, 1991, \$15,000.
- 1985-1991 Co-Investigator, Growth, surgical and speech aspects of cleft palate (DE05837, HL Morris, Program Director), National Institute for Dental Research, 1985-1991, \$1,708,000.
- 1982 Principal Investigator, Preliminary study of fertility and demography in the Markham River Valley, Papua New Guinea. Summer Research Grant, University of Illinois, 1982, \$3,000.

Publications [*denotes a graduate student or post-doctoral trainee for whom I have provided training]

Dissertation & Theses

- 1988 The biological significance of the Melanesian Gm distribution: Selection and the Gm-hypothesis. (E. Giles, Dissertation Committee Chair)
- 1980 A re-examination of the evidence for demographic equilibrium among Australian hunter-gatherers. (L. Klepinger, Thesis Advisor)

- 1977 The detection of altered collagen in cooked bone. (H. Semken [Geology] & R Shutler, Jr [Anthropology], Honors Thesis Advisors)

Peer Reviewed Journal Articles

- 2023 Roh T, Knappett PSK, Han D, Ludewig G, **Kelly KM**, Wang K, Weyer PJ. Characterization of Arsenic and Atrazine Contaminations in Drinking Water in Iowa: A Public Health Concern. *Int J Environ Res Public Health*. 2023 Apr 4;20(7):5397. doi: 10.3390/ijerph20075397.
- 2023 Henneberger PK, Rollins SM, Humann MJ, Liang X, Doney BC, **Kelly KM**, Cox-Ganser JM. The association of forced expiratory volume in one second with occupational exposures in a longitudinal study of adults in a rural community in Iowa. *Int Arch Occup Environ Health*. 2023 Aug;96(6):919-930. doi: 10.1007/s00420-023-01979-4. Epub 2023 May 24.
- 2022 Plombon S, Henneberger PK, Humann MJ, Liang X, Doney BC, **Kelly KM**, Cox-Ganser JM. The association of chronic bronchitis and airflow obstruction with lifetime and current farm activities in a sample of rural adults in Iowa. *Int Arch Occup Environ Health*. 2022 Oct;95(8):1741-1754. doi: 10.1007/s00420-022-01866-4. Epub 2022 Apr 28.
- 2020 Henneberger PK, Humann MJ, Liang X, Doney BC, **Kelly KM**, Cox-Ganser JM (2020) The Association of Airflow Obstruction with Occupational Exposures in a Sample of Rural Adults in Iowa. COPD. Aug;17(4):401-409. doi: 10.1080/15412555.2020.1775187. Epub 2020 Jun 25.
- 2020 Fix J, Annesi-Maesano I, Boulanger M, Cheng S, Cortes S, Dalphin J-C, Dalvie A, Degano B, Douwes J, Eduard W, Elholm G, Ferreccio C, Frost G, Harding A-H, Jeebhay M, **Kelly KM**, Kromhout H, Lebailly P, MacFarlane E, Maesano CN, Mitchell D, Naidoo S, Negatu B, Ngajilo D, Nordby K-C, Parks C, Sandler DP, Schenker M, Shin A, Siggaard T, Sim M, Soumange T, Taylor M, Thorne PS, Yoo K-Y, Hoppin JA. Gender differences in respiratory health outcomes among farming cohorts around the globe: findings from the AGRICOH cohort consortium. *Journal of Agromedicine*. 17:1-12. doi: 10.1080/1059924X.2020
- 2019 Donham KJ, *Meppelink SM, **Kelly KM**, Rohlman DS. Health indicators of a cohort of Midwest farmers: health outcomes of participants in the Certified Safe Farm Program. *Journal of Agromedicine*. 24(3):228-238.
- 2019 Li X, Wu X, **Kelly KM**, Veng-Pedersen P, Lehmler, H-J. Toxicokinetics of chiral PCB 136 and its hydroxylated metabolites in mice with a liver-specific deletion of cytochrome P450 reductase. *Chemical Research in Toxicology*. 32(4):727-736. DOI: 10.1021/acs.chemrestox.8b00389.
- 2019 Alterman T, Tsai, Ju J, **Kelly KM**. Trust in the work environment and cardiovascular disease risk: Findings from the Gallup-Sharecare Well-Being Index. *International Journal of Environmental Research and Public Health*. 16(2): 230
- 2018 **Kelly KM**, Joganic E, Beals SP, Riggs JA, McGuire MK, Littlefield TR. Helmet Treatment of infants with deformational brachycephaly. *Global Pediatric Health*. 5: 1-11.
<https://doi.org/10.1177/2333794X18805618>
- 2018 Tamers SL, Goetzel R, **Kelly KM**, Luckhaupt S, Nigam J, Pronk N, Rohlman DS, Baron S, Brosseau L, Bushnell T, Campo S, Chang C-C, Childress A, Chosewood C, Cunningham T, Goldenhar LM, Huang TT-K, Hudson H, Linnan L, Newman L, Olson R, Ozminkowski RJ, Punnett L, Schill A, Scholl J, Sorensen G. Research Methodologies for Total Worker Health®: Proceedings from a Workshop. *Journal of Occupational and Environmental Medicine*. 60 (11): 968-978.

- 2018 Rohlman R, Campo S, Hall J, *Robinson EL, **Kelly KM**. What could Total Worker Health® look like in small enterprises? *Annals of Work Exposures and Health*. 62 (S1): S34–S41.
- 2017 Doney BC, Henneberger PK, Humann MJ, Liang X, **Kelly KM**, Cox-Ganser JM. Occupational Exposure to Vapor-Gas, Dust, and Fumes in a Cohort of Rural Adults in Iowa Compared with a Cohort of Urban Adults. *MMWR*. 66(21): 1-5.
- 2017 *Roh T, Lynch CF, Weyer P, Wang K, **Kelly KM**, Ludewig G. Low-level arsenic exposure from drinking water and its association with prostate cancer in Iowa. *Environmental Research*. 159:338-343.
- 2017 Kania-Korwel I, Lukasiewicz T, Barnhart CD, Stamou M, Chung H, **Kelly KM**, Bandiera S, Lein PJ, Lehmler H-J. Congener-Specific Disposition of Chiral Polychlorinated Biphenyls in Lactating Mice and Their Offspring: Implications for PCB Developmental Neurotoxicity. *Toxicological Sciences*. 158(1):101-115.
- 2017 Hall JL, **Kelly KM**, Burmeister L, Merchant JA. Workforce Characteristics and Attitudes Regarding Participation in Worksite Wellness Programs. *American Journal of Health Promotion*. 31(5): 391-400.
- 2014 Merchant JA, **Kelly KM**, Burmeister L, *Lozier M, Amendola A, Lind DP, McKeen A, Slater T, Hall JL, Rohlman D, Buikema B. Employment Status Matters—A Statewide Survey of Quality-of-Life, Prevention Behaviors, and Absenteeism and Presenteeism. *Journal of Occupational and Environmental Medicine*. 56(7): 686-698.
- 2013 Merchant JA, Lind DP, **Kelly KM**, Hall JL. A total health management questionnaire—a statewide survey of Iowa employers. *Journal of Occupational and Environmental Medicine*. 55: S73-S77.
- 2013 Tadevosyan A, Tadevosyan N, **Kelly K**, Gibbs SG, Rautiainen RH. Pesticide Use Practices in Rural Armenia. *Journal of Agromedicine*. 18(4):326-333.
- 2013 *Humann MJ, Sanderson WT, Donham KJ, **Kelly KM**. Task-based noise exposures for farmers involved in grain production. *Journal of Agricultural Safety and Health*. 19:101-13.
- 2013 Donham KJ, Kline AK, **Kelly KM**, Lange JL, Rautiainen RH. Respirator and hearing protection use in the Certified Safe Farm Program. *Journal of Agromedicine*. 18:18-26.
- 2012 *Humann M, Sanderson WT, Gerr F, **Kelly KM**, Merchant JA. Effects of common agricultural tasks on measures of hearing loss. *American Journal of Industrial Medicine*. 55:904-16.
- 2012 Yang G, *O'Gara EK, Cheng G, **Kelly KM**, Ramirez MR, Burmeister LF, Merchant JA. At What Age Should Children Engage in Agricultural Tasks? *Journal of Rural Health*. 28:372-9.
- 2011 *Humann M, Sanderson W, Flamme G, **Kelly K**, Moore G, Stromquist A, Merchant J. Noise exposures of rural adolescents. *Journal of Rural Health*. 27:72-80.
- 2011 O'Shaughnessy PT, Peters T, Donham K, Altmaier R, Taylor C, **Kelly K**. Assessment of swine worker exposures to dust and endotoxin during hog load-out and power washing. *Annals of Occupational Hygiene*. 56:843-51.
- 2010 O'Shaughnessy PT, Donham K, Peters T, Taylor C, Altmaier R, **Kelly KM**. A task-specific assessment of swine worker exposure to airborne dust. *Journal of Occupational and Environmental Hygiene*. 7:7-13.

- 2009 Stromquist AM, Merchant JA, Zwerling C, Burmeister LF, Sanderson WT, **Kelly KM**. Challenges of conducting a large rural prospective population-based cohort study: the Keokuk County Rural Health Study. *Journal of Agromedicine*. 14:142-149.
- 2007 Tadevosyan A, Reynolds SJ, **Kelly KM**, Mairapetyan A, Tadevosyan N, Petrosyan M, Beglaryan S. Organochlorine pesticide residues in breast milk in Armenia. *Journal of Pre-Clinical and Clinical Research*. 1:84-88.
- 2007 Reynolds SJ, Tadevosyan A, Fuortes L, Merchant JA, Stromquist AM, Burmeister LF, **Kelly KM**. Keokuk County Rural Health Study: self-reported use of agricultural chemicals and protective equipment. *Journal of Agromedicine*. 12:45-55.
- 2006 Pomatto JK, Calcaterra J, **Kelly KM**, Beals SP, Littlefield TR. A study of family head shape: environmental influences alter cranial shape. *Clinical Pediatrics*. 45:55-63.
- 2006 Thorne PS, Adamcakova-Dodd A, **Kelly KM**, O'Neill ME, *Duchaine C. Metal working fluid with mycobacteria and endotoxin Induces hypersensitivity pneumonitis in mice. *American Journal of Respiratory and Critical Care Medicine*. 173:759-768.
- 2006 Sanderson WT, Madsen MD, Rautiainen R, **Kelly KM**, Zwerling C, Taylor CD, Reynolds SJ, Stromquist AM, Burmeister LF, Merchant JA. Tractor Overturn Concerns in Iowa: Perspectives from the Keokuk County Rural Health Study. *Journal of Agricultural Health and Safety*, 12:71-81.
- 2005 Littlefield TR, Hess RM, **Kelly KM**, Pomatto JK. Cranial remodeling: from cultural practice to contemporary treatment of cranial deformities. *Biométrie Humaine et Anthropologie*. 23: 43-52
- 2005 Merchant JA, *Naleway AL, *Svendsen ER, **Kelly KM**, Burmeister LF, Stromquist AM, *Taylor CD, Thorne PS, Reynolds SJ, Sanderson WT, Chrischilles EA. Asthma and Farm Exposures in a Cohort of Rural Iowa Children. *Environmental Health Perspectives*. 113: 350-356.
- 2005 Flamme GA, *Mudipalli R, Reynolds S, **Kelly KM**, Stromquist A, Zwerling C, Burmeister LF, Peng SC, Merchant JA. Prevalence of hearing impairment in a rural Midwestern cohort: Estimates from the Keokuk County Rural Health Study, 1994-1998. *Ear and Hearing*. 26:350-360.
- 2005 Littlefield TR, Cherney JC, Luisi JL, Beals SP, **Kelly KM**, Pomatto JK. Comparison of plaster casting versus 3D imaging for treatment of plagiocephaly. *Cleft Palate-Craniofacial Journal*. 42: 157-164.
- 2005 Reynolds SJ, Milton DK, Heederik D, Thorne PS, Donham KJ, *Croteau EA, **Kelly KM**, Douwes J, Lewis D, Whitmer M, Connaughton I, Koch S, Malmberg P, Larsson B-M, Deddens J, Saraf A, Larsson L. Interlaboratory evaluation of endotoxin analyses in agricultural dusts – comparison of LAL assay and mass spectrometry. *Journal of Environmental Monitoring*. 7:1371-1377.
- 2004 Littlefield TR, **Kelly KM**. Deformational plagiocephaly: recommendations for future research. *Journal of Prosthetic and Orthotics*. 16 Supplement: S59-S62.
- 2004 Littlefield TR, **Kelly KM**, Cherney JC, Beals SP, Pomatto JK. Development of a new three-dimensional cranial imaging system. *Journal of Craniofacial Surgery*. 15:175-181.
- 2004 Littlefield TR, Saba, NM, **Kelly KM**. On the current incidence of deformational plagiocephaly: An estimation based on prospective registration at a single center. *Seminars in Pediatric Neurology*. 11: 301-304.
- 2004 Chrischilles E, Ahrens R, Kuehl A, **Kelly K**, Thorne P, Burmeister L, Merchant J. Asthma prevalence and morbidity among rural Iowa schoolchildren. *Journal of Allergy and Clinical Immunology*. 113:

66-71.

- 2003 Littlefield TR, **Kelly KM**, Pomatto JK, Cherney JC. Infant car seats, carriers, bouncy seats and swings: Their role in deformational plagiocephaly. *Journal of Prosthetics and Orthotics*. 15: 102-106.
- 2003 *Park H, Reynolds SJ, **Kelly KM**, Stromquist AM, Burmeister LF, Zwerling C, Merchant JA. Characterization of agricultural tasks performed by youth in the Keokuk County Rural Health Study. *Applied Occupational and Environmental Hygiene*. 18: 418-429.
- 2003 Beals SP, Golden KA, Basten ML, **Kelly KM**. Strength performance of the pectoralis major muscle following subpectoral placement of mammary implants. *Aesthetic Surgery Journal*. 23: 92-97.
- 2002 Littlefield TR, **Kelly KM**, Pomatto JK, Beals S. Multiple-birth infants at higher risk for development of deformational plagiocephaly II: Is one twin at greater risk? *Pediatrics*. 109: 19-25.
- 2002 *Turvey C, Stromquist A, **Kelly K**, Zwerling C, Merchant J. Financial loss and suicidal ideation in a rural community sample. *Acta Psychiatrica Scandinavica*. 106: 373-380.
- 2002 Merchant JA, Stromquist AM, **Kelly KM**, Zwerling C, Reynolds SJ, Burmeister LF. Chronic disease and injury in an agricultural county: The Keokuk County Rural Health Study. *Journal of Rural Health*. 18: 521-535.
- 2002 Reynolds SJ, Thorne PS, Donham KJ, *Croteau EA, **Kelly KM**, Lewis D, Whitmer M, Heederik DJJ, Douwes J, Connaughton I, Koch S, Malmberg P, Larsson BM, Milton DK. Comparison of endotoxin assays using agricultural dusts. *American Industrial Hygiene Association Journal*. 63: 430-438.
- 2001 Terrell JE, **Kelly KM**, Rainbird P. Foregone conclusions? In search of 'Austronesians' and 'Papuan.' *Current Anthropology*. 42: 97-124.
- 2001 Zwerling C, Merchant JA, Nordstrom DL, Stromquist AM, Burmeister LM, Reynolds SJ, **Kelly KM**. Risk factors for injury in rural Iowa. *American Journal of Preventive Medicine*. 20:230-233.
- 2000 Littlefield TR, Pomatto JK, **Kelly KM**. Dynamic Orthotic Cranioplasty: Treatment of the older infant. Report of four cases. *Neurosurgical Focus*. 9 (3): Article 5.
- 1999 **Kelly KM**. Malaria and immunoglobulins in Pacific prehistory. *American Anthropologist*. 101: 806-809.
- 1999 **Kelly KM**, Littlefield TR, Pomatto JK, Ripley CE, Beals SP, Joganic EF. Importance of early recognition and treatment of deformational plagiocephaly with orthotic cranioplasty. *American Cleft Palate-Craniofacial Journal*. 36: 127-30.
- 1999 **Kelly KM**, Littlefield TR, Pomatto JK, Manwarring KH, Beals SP. Cranial growth unrestricted during treatment of deformational plagiocephaly. *Pediatric Neurosurgery*. 30: 193-199.
- 1999 Littlefield TR, **Kelly KM**, Pomatto JK, Beals SP. Multiple-birth infants at higher risk for development of deformational plagiocephaly. *Pediatrics*. 103: 565-69.
- 1999 *Taylor CD, Reynolds SJ, Stromquist A, Merchant J, Zwerling C, **Kelly K**. Environmental conditions in the homes of a rural Iowa county. *Journal of Agricultural Safety and Health*. 5: 407-416.
- 1998 Reynolds SJ, Merchant JA, Stromquist AM, Burmeister LF, Taylor C, Lewis MQ, **Kelly KM**. Keokuk County Rural Health Study: Self report of use of pesticides and protective equipment. *Journal of*

Agricultural Safety and Health Sl. (1): 67-77.

- 1997 Mack MJ, *Scruggs GR, **Kelly KM**, Shennib H, Landreneau RJ. Video-assisted thoracic surgery: has technology found its place? *Annals of Thoracic Surgery*. 64:211-5.
- 1996 **Kelly KM**. IGHG3 G and the pathogenesis of hyperreactive malarious splenomegaly. *Medical Hypotheses*. 46:135-139.
- 1995 *Dixit UB, **Kelly KM**, Squier CA, Bardach J. The role of periosteum in regeneration of palatal defects. *Cleft Palate-Craniofacial Journal*. 32:228-234.
- 1995 Salyer KE, Bardach J, Squier CA, Gendler E, **Kelly KM**. Cranioplasty in the growing canine skull using demineralized perforated bone. *Plastic and Reconstructive Surgery*. 96:770-779
- 1994 **Kelly KM**. On the magic number 500: an expostulation. *Current Anthropology*. 35:435-438.
- 1994 Bardach J, **Kelly KM**, Salyer KE. The effects of lip repair with delayed palate repair versus lip repair with undermining and delayed palate repair: an experimental study in beagles. *Plastic and Reconstructive Surgery*. 94:343-351.
- 1994 Bardach J, **Kelly KM**, Salyer KE. Relationship between the sequence of lip and palate repair and maxillary growth: an experimental study in beagles. *Plastic and Reconstructive Surgery*. 93:269-278.
- 1994 Salyer KE, Bardach J, Squier CA, **Kelly KM**. A comparative study of the effects of biodegradable and titanium plating systems on cranial growth and structure: experimental study in beagles. *Plastic and Reconstructive Surgery*. 93:705-713.
- 1993 Clark JT, **Kelly KM**. Human genetics, paleoenvironments, and malaria: relationships and implications for the settlement of Oceania. *American Anthropologist*. 95:613-631.
- 1993 **Kelly KM**. Recurrent otitis media: genetic immunoglobulin markers in children and their parents. *International Journal of Pediatric Otorhinolaryngology*. 25:279-80.
- 1993 Bardach J, **Kelly KM**, Salyer KE. A comparative study of facial growth following lip and palate repair performed in sequence and simultaneously: an experimental study in beagles. *Plastic and Reconstructive Surgery*. 91:1008-1016.
- 1993 Morris HL, Bardach J, *Ardinger H, *Jones DL, **Kelly KM**, Olin WH, Wheeler J. Multidisciplinary treatment results for patients with isolated cleft palate. *Plastic and Reconstructive Surgery*. 92:842-851.
- 1992 Bardach J, Morris HL, Olin WH, *Gray SD, *Jones DL, **Kelly KM**, Shaw WC, Semb G. Results of multidisciplinary management of bilateral cleft lip and palate at the Iowa Cleft Palate Center. *Plastic and Reconstructive Surgery*. 89:419-432.
- 1992 Salyer KE, Gendler E, Menendez JL, Simon TR, **Kelly KM**, Bardach J. Demineralized perforated bone implants in craniofacial surgery. *Journal of Craniofacial Surgery*. 3:55-62.
- 1991 Bardach J, **Kelly KM**. Reflections on research. *Cleft Palate-Craniofacial Journal*. 28:130-135.
- 1991 *Foggia DA, Gray SD, **Kelly KM**. Cricoid quartersection versus anterior posterior cricoid split: effect on subglottic growth in rabbits. *Otolaryngology Head and Neck Surgery*. 105:826-831.

- 1991 *Canady JW, Squier CA, **Kelly KM**, Bardach J. Blood flow in expanded tissue treated with an anticontractile agent. *Annals of Otolaryngology, Rhinology and Laryngology*. 100:962-965.
- 1991 *Yessenow RS, Garner SL, Bauer CA, **Kelly KM**, Bardach J. The effects of calcium channel blockers on random skin flap survival in the pig model. *European Journal of Plastic Surgery*. 14:3-6.
- 1990 **Kelly KM**. Gm polymorphisms, linguistic affinities, and natural selection in Melanesia. *Current Anthropology*. 31:201-219.
- 1990 Bardach J, **Kelly KM**. Does interference with mucoperiosteum and palatal bone affect craniofacial growth? An experimental study in beagles. *Plastic and Reconstructive Surgery*. 86:1093-1100.
- 1990 *Canady JW, Squier CA, **Kelly KM**, Bardach J. Serial measurement of blood flow in expanded tissue by laser doppler velocimetry. *Otolaryngology Head and Neck Surgery*. 103:986-990.
- 1990 *Matt BH, Squier CA, **Kelly KM**, Bardach J. Enhancement of expansion of guinea pig skin by local delivery of an anticontractile agent using a new bilumen expander. *Annals of Plastic Surgery*. 24:335-341.
- 1988 **Kelly KM**, Bardach J. Facial growth in beagles with repair of an isolated cleft palate. *European Journal of Plastic Surgery*. 12:66-73.
- 1988 Bardach J, **Kelly KM**. The influence of lip repair with and without soft tissue undermining on facial growth in beagles. *Plastic and Reconstructive Surgery*. 82:747-755.
- 1988 Bardach J, **Kelly KM**. The role of animal models in experimental studies of craniofacial growth following cleft lip and palate repair. *Cleft Palate Journal*. 25:103-113.
- 1988 Bardach J, **Kelly KM**, Jakobsen, JR. Simultaneous cleft lip and palate repair: an experimental study in beagles. *Plastic and Reconstructive Surgery*. 82:31-39.
- 1987 Elkadi HK, Ngheim DD, Southard JH, **Kelly KM**, Olson C. Naloxone in renal ischemia: a functional and microanatomical study. *Journal of Surgical Research*. 42:675-692.
- 1985 Bardach J, Martin RK, Mooney MP, **Kelly KM**, Albright J. Bone formation in the canine palate following partial resection. *Progress in Clinical and Biological Research*. 187: 365-377.

Peer Reviewed Conference Proceedings

- 2004 Littlefield TR, Pomatto JK, Beals SP, **Kelly KM**, Cherney JC. A new three-dimensional imaging system for evaluation and treatment of plagiocephaly In: KE Salyer (ed.), *Craniofacial Surgery 10. Proceedings of X International Congress of the International Society of Cranio Facial Surgery*. Bologna: Monduzzi Editore, pp. 423-425.
- 2004 Littlefield TR, Pomatto JK, Beals SP, **Kelly KM**, Cherney JC. Comparison of plaster casting versus 3D imaging for treatment of plagiocephaly. In: KE Salyer (ed.), *Craniofacial Surgery 10. Proceedings of X International Congress of the International Society of Cranio Facial Surgery*. Bologna: Monduzzi Editore, pp. 427-430.
- 2001 Pomatto JK, Beals SP, Joganic E, Moss SD, **Kelly KM**, Littlefield TR. Preliminary results and new treatment protocol for cranial banding following endoscopic-assisted craniectomy for sagittal synostosis. In: CGK Lauritzen (ed.), *Craniofacial Surgery 9. Proceedings of the Ninth International Congress of the International Society of Cranio-Facial Surgery*. Bologna: Monduzzi Editore, pp. 47-

49.

- 2000 Littlefield T, **Kelly K**, Pomatto, T, Manwaring K, Beals S, Joganic E. Cranial growth unrestricted during DOC® treatment of plagiocephaly. In: C Yu-Ray (ed.), *Craniofacial Surgery 8. Proceedings of the Eighth International Congress of the International Society of Cranio-Facial Surgery*. Bologna: Monduzzi Editore, pp 21-23.
- 1994 Salyer KE, Bardach J, Squier CA, **Kelly KM**. A comparative study of the effects of the histologic and morphologic effects of biodegradable and titanium plating systems: an experimental study in beagles. In: F Ortiz-Monasterio (ed.), *Craniofacial Surgery 5. Vth Biannual Meeting of the International Society of Cranio-Maxillo-Facial Surgery*. Bologna: Monduzzi Editore, pp. 42-45.
- 1990 Bardach J, Cassell MD, Squier CA, **Kelly KM**. New bone formation and maxillary growth in surgically created palatal defects closed with palatal mucosa. In: AD Dixon, BG Sarnat, and DAN Hoyte (eds.), *Fundamentals of Bone Growth: Methodology and Applications*. Boca Raton: CRC Press, pp. 383-395.

Book Chapters and Edited Volumes

- 2021 **Kelly KM** (Guest Editor). Advances in the Conceptualization and Study of Environmental Exposures in Relation to Occupational Health, *International Journal of Environmental Research and Public Health*, Publisher: Multidisciplinary Digital Publishing Institute (MDPI), https://www.mdpi.com/journal/ijerph/special_issues/Environmental_Exposures_Occupation
- 2020 **Kelly KM** (Guest Editor). Positional Cranial Deformation: Etiology, Natural History, Prevention, Treatment and Sequelae, *Journal of Clinical Medicine*, Publisher: Multidisciplinary Digital Publishing Institute (MDPI), https://www.mdpi.com/journal/jcm/special_issues/Positional_Cranial_Deformation
- 2019 **Kelly KM**. Biological basis of cleft palate and palatal surgery. In: FJM Verstraete, MJ Lommer, B Arzi (Editors), *Oral and Maxillofacial Surgery in Dogs and Cats (2nd ed)*. Elsevier: St. Louis.
- 2019 Rohlman S, **Kelly KM** (Guest Editors). Using Total Worker Health to Advance Worker Health and Safety, *International Journal of Environmental Research and Public Health*, Publisher: Multidisciplinary Digital Publishing Institute (MDPI), https://www.mdpi.com/journal/ijerph/special_issues/advance_worker.
- 2019 Campo S, **Kelly KM**, Rohlman DS. Occupational safety, health, and well-being programs in small Midwest enterprises. In: HL Hudson, JAS Nigam, SL Sauter, LC Chosewood, AL Schill, J Howard (Editors), *Total Worker Health: Integrative Approaches to Safety, Health, and Well-being*. Washington, DC: American Psychological Association, pp. 127-140.
- 2012 **Kelly KM**, Bardach J. Biological basis of cleft palate and palatal surgery. In: FJM Verstraete, MJ Lommer (Editors), *Oral and Maxillofacial Surgery in Dogs and Cats*. Saunders: Philadelphia, pp. 357-364.
- 2002 **Kelly KM**. Population. In: JP Hart and JE Terrell (Editors), *Darwin and Archaeology: A Handbook of Key Concepts*. Greenwood Publishers: Westport, Connecticut, pp. 243-256.
- 1996 **Kelly KM**. The end of the trail: the genetic bases for deriving the Polynesian peoples from Austronesian-speaking paleopopulations of Melanesian Near Oceania. In: J Davidson, G Irwin, BF Leach, A Pawley and D Brown (Editors), *Oceanic Culture History, Essays in Honour of Roger Green*. New Zealand Journal of Archaeology Special Publication, pp. 355-364.

- 1990 Bardach J, Morris HL, Olin WH, *Gray SD, *Jones DL, **Kelly KM**, Gundlach KKH, Rohrs M, Behlfelt K, Fricke B. Iowa-Hamburg project: late results of multidisciplinary management at the Iowa Cleft Palate Center. In: J Bardach and HL Morris (Editors), *Multidisciplinary Management of Cleft Lip and Palate*. WB Saunders: Philadelphia, pp. 98-112.
- 1990 Squier CA, **Kelly KM**. Cleft lip and palate research: approaches at the cellular and molecular level. In: J Bardach and HL Morris (Editors), *Multidisciplinary Management of Cleft Lip and Palate*. Philadelphia: WB Saunders: Philadelphia, pp. 483-489.
- 1990 **Kelly KM**. Expanding the perception of cleft morphology: anthropometric studies of body growth, form and size. In: J Bardach and HL Morris (Editors), *Multidisciplinary Management of Cleft Lip and Palate*. WB Saunders: Philadelphia, pp. 489-493.
- 1990 Bardach J, Olin WH, **Kelly KM**. Surgical-orthodontic correction of the protruded premaxilla. In: J Bardach and HL Morris (Editors), *Multidisciplinary Management of Cleft Lip and Palate*. WB Saunders: Philadelphia, pp. 563-573.

Abstracts

- 2021 Henneberger PK, Rollins SM, Humann MJ, Liang X, Doney BC, **Kelly KM**, Cox-Ganser JM. An Investigation of the Association of Forced Expiratory Volume in One Second (FEV1) with Occupational Exposures in a Sample of Rural Adults in Iowa [poster]. *Proceedings of the American Thoracic Society*, Abstract A3050.
- 2018 **Kelly KM**, Joganic E, Beals SP, Riggs JA, McGuire MK, Littlefield TR. A Prospective Study of Cranial Orthotic Treatment of Infants with Isolated Deformational Brachycephaly. *Canadian Prosthetics & Orthotics Journal*, 1 (2); Abstract, oral presentation at The AOPA's 101st National Assembly, Sept. 26-29, Vancouver, Canada.
- 2014 *Weissenburger-Moser LA, Roughead W, **Kelly KM**, Mikuls T, Rennard SI, Yu F, Romberger DJ, Merchant JA, LeVan T. Variants in hedgehog interacting protein are associated with COPD in a rural population. *American Journal of Respiratory and Critical Care Medicine*, 189: A6706.
- 2010 Adamcakova-Dodd A, Magwood J, Kim JS, **Kelly KM**, Thorne PS, Singh PK. Toxicity assessment of gallium nitrate inhalation using murine model. *American Journal of Respiratory and Critical Care Medicine*, 181: A6266.
- 2010 Merchant JA, Stromquist AM, Sanderson WS, Burmeister CL, **Kelly KM**. Respiratory Function and Farming Exposures in a Rural US Cohort. *American Journal of Respiratory and Critical Care Medicine*, 181:A5115
- 2008 Thorne PS, Metwali N, **Kelly KM**, Chrischilles EA, Kuehl AK. Levels of indoor allergens, endotoxin and glucan in homes of rural asthmatic children. *American Journal of Respiratory and Critical Care Medicine*, 177:A187.
- 2008 Merchant JA, Stromquist AM, Sanderson WS, Burmeister CL, **Kelly KM**. Respiratory Function and Farming Exposures in a Rural US Cohort. *American Journal of Respiratory and Critical Care Medicine*, 177:A667
- 2007 Thorne PS, Metwali N, Kuehl AKW, **Kelly KM**, Chrischilles EA. Repeated assessment of endotoxin in airborne and settled dust in rural houses. *American Journal of Respiratory and Critical Care Medicine*, 175:A538.

- 2006 Thorne PS, Chrischilles E, Kuehl A, **Kelly KM**, Metwali N, Harris L, O'Neill ME, *Quella A, Walker R. Reduction of Endotoxin and Glucan Exposures in The Louisa/Keokuk Environmental Intervention Project (LEIP) for Rural Childhood Asthma. *Journal of Allergy and Clinical Immunology*, 117: S215.
- 2005 Chrischilles EA, Thorne PS, Kuehl AK, **Kelly KM**, Schroeder A, O'Neill M, Walker R, Harris L, Quinones A. An algorithm for identifying a population-based Sample of children with frequent asthma symptoms. *Proceedings of the American Thoracic Society*, Abstract A698.
- 2005 Von Essen SG, LeVan TD, Lambert GP, Merchant J, Stromquist A, **Kelly K**, Lyden E, Romberger DJ, Spurzem JR, Wyatt TA. Association between a promoter polymorphism of the CD14 gene and airway disease in non-atopic farmers. *American Journal of Respiratory and Critical Care Medicine* 167(8).
- 2003 Metwali N, Thorne PS, **Kelly KM**. Specific IgE and IgG4 to environmental allergens in rural asthmatic children and matched controls. *American Journal of Respiratory and Critical Care Medicine* 167(8): A152.
- 2002 **Kelly KM**, Reynolds SR, Moore G, Stromquist AM, Merchant JA. Age-based anthropometric standards for protective respiratory equipment: A community-based study of at-risk children. *American Journal of Physical Anthropology* S25: 93.
- 2002 Thorne PS, Chrischilles EA, Kuehl AK, **Kelly KM**, Metwali N, LEIP Field Group. Indoor surface and airborne concentrations of endotoxin and B(1-3,1-6)-glucans in the homes of rural asthmatic children. *Proceedings of the American Thoracic Society*, Abstract A694.
- 2002 Thorne PS, **Kelly KM**, Metwali N, Stromquist A, Merchant JA. Evaluation of allergen sensitivity by skin prick testing and specific IgE in asthmatic children and matched controls in a rural cohort. *Proceedings of the American Thoracic Society*, Abstract A127.
- 2000 *Wright AL, Merchant JA, Stromquist AM, **Kelly KM**. Perinatal and early life risk factors for childhood asthma in a rural Iowa cohort. *American Journal of Epidemiology* June suppl.
- 1993 **Kelly KM**. An historical perspective on the contribution of anthropology to cleft lip and palate research. *American Journal of Physical Anthropology* S16:123-124.
- 1992 **Kelly KM**. On the genetic basis of hyperreactive malarious splenomegaly and the selection of G3M alleles. *American Journal of Physical Anthropology* S14:98.
- 1991 Dixit UB, **Kelly KM**, Hodgins T, Bardach J, Squier CA. Role of periosteum in healing palatal defects in beagles. *Journal of Dental Research* 70:335.
- 1991 Squier CA, Hodgins T, **Kelly KM**, Bardach J, *Dixit UB. Factors determining the regeneration of resected bony palate. *Journal of Dental Research* 70:520.
- 1989 Squier CA, Bardach J, **Kelly KM**, Hodgins T, *Dixit U. Bone apposition and regeneration in surgically created palatal clefts in beagles. *Journal of Dental Research* 68:939.
- 1988 **Kelly KM**. Selection and the Gm-hypothesis. *American Journal of Physical Anthropology* 75:231.

Reports

- 2011 Healthier Workforce Center for Excellence and David P. Lind and Associates. *Real Iowans Research Initiative: Iowans Speak Out on Their Health - The Rural-Urban Divide*. [Report] University of Iowa College of Public Health. July, 65 pp. <http://Reallowans.org>.

- 2010 Healthier Workforce Center for Excellence, State Policy Project Group, David P. Lind and Associates. Real Iowans Research Initiative: Iowans Speak Out on Their Health. [Report] University of Iowa College of Public Health. November, 33 pp. <http://Reallowans.org>.
- 1997 Merchant JA, **Kelly KM**, McMillan D, Troester S, Walkner L, et al. *The 1997 Iowa Health Fact Book*. Iowa City, IA: University of Iowa, 296 pp.

Book Reviews

- 2004 **Kelly KM**. Review of *The X in Sex: How the X Chromosome Controls Our Lives*. By David Bainbridge. *American Journal of Human Biology*. 16: 175-176.
- 2001 **Kelly KM**. Review of *Urbanism, Health and Human Biology in Industrialised Countries*, LM Schell and SJ Ulijaszek (eds.) *American Journal of Human Biology* 13: 839-840.
- 1999 **Kelly KM**. Review of "Adaptation to Malaria: The interaction of biology and culture." LS Greene and ME Danubio (eds.) *Journal of Political Ecology* 6. [Internet publication].
- 1990 **Kelly KM**. Review of *The Chemistry of Prehistoric Human Bone*, TD Price (ed.). *American Journal of Physical Anthropology* 83:267-268.

Other

- 2021 **Kelly, KM**. In Response to Lemke: Where You See a Forest, I Just See Detritus [letter]. *J Occup Environ Med*. 63:e825. DOI: 10.1097/JOM.0000000000002342.
- 2021 **Kelly KM**, Newman LS, Cherniack M, Punnett L, Hammer LB, Sorensen G. Critical Points in Lemke's Total Worker Health Calculus [letter]. *J Occup Environ Med*. 63:e821–e822. 10.1097/JOM.0000000000002300. PMID: 34138825.
- 2014 **Kelly KM**, Littlefield TR. Perspectives on the van Wijk randomized control trial for helmet therapy [letter]. *British Medical Journal*. <http://www.bmj.com/content/348/bmj.g2741/rr/697461> [10-May-2014]
- 2002 Littlefield TR, **Kelly KM**. Position in the womb can affect head shape. *Twins*. Mar/Apr: 20-21.
- 1998 **Kelly KM**. Health, Culture and Genetic Diversity [workshop report]. *Anthropology Newsletter*. December, 39: 9.
- 1997 Littlefield TR, **Kelly KM**. Orthotic versus nonorthotic treatment for occipital plagiocephaly [letter]. *Neurosurgical Focus* 2, August.
- 1997 Nisbett RA, **Kelly KM**. NCSE membership and college admissions tests [letter]. *Reports of the National Center for Science Education* 17: 24.

Grants, Contracts and Fellowships

- 2016-2021 Co-Investigator, Pilot/Feasibility Program (N Fethke, Principal Investigator) National Institute for Occupational Safety and Health grant to the Healthier Workforce of the Midwest (DS Rohlman, Center Director), 2016-2021, \$324,155.
- 2016-2021 Co-Investigator, Outreach Core (S Campo, Principal Investigator) National Institute for Occupational Safety and Health grant to the Healthier Workforce of the Midwest (DS Rohlman, Center Director), 2016-2021, \$1,432,455.

- 2006-2013 Co-Investigator, Keokuk County Rural Health Study: The epidemiology of disease and injuries in an agricultural county. (JA Merchant, Principal Investigator) National Institute for Occupational Safety and Health grant to the Great Plains Center for Agricultural Health (JA Merchant, Center Director), 2006-2011, \$1,916,315.
- 2001-2006 Co-Investigator, Keokuk County Rural Health Study: The epidemiology of disease and injuries in an agricultural county. (JA Merchant, Principal Investigator) National Institute for Occupational Safety and Health grant to the Great Plains Center for Agricultural Health (JA Merchant, Center Director), 2001-2006, \$2,499,000.
- 2001-2006 Co-Investigator, Exposure intervention in a rural pediatric asthma cohort. (PS Thorne, Principal Investigator) National Institute of Environmental Health Sciences, 2001-2006, \$1,300,000.
- 2002 Co-Investigator, Pilot Study of Provider Colorectal Cancer Screening Practices in Iowa. (NJ Thompson, Principal Investigator) American Cancer Society – Midwest Chapter, 2002, \$14,000.
- 2001-2002 Training grant recipient, The Etiology and Pathogenesis of Airway Disease in Children from Rural Communities (G Hunnihak, Program Director), 2001-2002, \$52,920.
- 1998-2001 Co-Investigator, Keokuk County Rural Health Study (JA Merchant, Principal Investigator) National Institute for Occupational Safety and Health grant to the Great Plains Center for Agricultural Health (S Reynolds, Center Director), 1998-2001, \$2,399,000.
- 1993 Principal Investigator, Repair of bone defects using hydroxyapatite cement. Liebingger Instruments, Dallas, TX, 1993, \$20,000.
- 1993 Principal Investigator, A comparative study of the use of two different plating systems under stress in the treatment of craniofacial deformities. Storz Medical, St. Louis, MO, 1993, \$50,000.
- 1992 Principal Investigator, A comparative study of the two different plating systems on craniofacial growth. Storz Medical, St. Louis, MO, 1992, \$50,000.
- 1991 Principal Investigator, The efficacy of perforated demineralized bone matrix (PDBM) cranioplasty. Pacific Coast Tissue Bank, Los Angeles, CA, 1991, \$15,000.
- 1985-1991 Co-Investigator, Growth, surgical and speech aspects of cleft palate (DE05837, HL Morris, Program Director), National Institute for Dental Research, 1985-1991, \$1,708,000.
- 1982 Principal Investigator, Preliminary study of fertility and demography in the Markham River Valley, Papua New Guinea. Summer Research Grant, University of Illinois, 1982, \$3,000.

Teaching Experience

Courses Taught

- 2012 Community Preventive Programs/Services (with N. Thompson). Department of Community and Behavioral Health, University of Iowa.
- 2007 Community Preventive Programs/Services (with N. Thompson). Department of Community and Behavioral Health, University of Iowa.
- 2006 Community Preventive Programs/Services (with N. Thompson). Department of Community and Behavioral Health, University of Iowa.

- 2002 Special Topics: Health and Human Variation. Department of Community and Behavioral Health, University of Iowa.
- 1999 Special Topics: Genetics, Culture and Disease, Department of Anthropology, University of Iowa.
- 1998 Human Evolution, Department of Anthropology, University of Iowa.
- 1990 Topics in Biomedical Anthropology (independent study), Department of Anthropology, University of Iowa.
- 1987 Human Origins (an introduction to physical anthropology), Department of Anthropology, University of Iowa.
- 1986 Biological Anthropology Seminar, Department of Anthropology, University of Iowa.
- 1984 Survey of Biomedical Anthropology (independent study), Department of Anthropology, University of Iowa.
- 1982 Human Origins (an introduction to physical anthropology), Department of Anthropology, University of Iowa.

Invited Lectures

- 2018 "Designing Studies." AP Statistics, West Liberty High School, West Liberty, Iowa, May 1.
- 2017 "Preparing Your Analysis." Toxicology Seminar, Feb. 9.
- 2014 "The Keokuk County Rural Health Study: Demographic Characteristics of the County and Study Population." Epidemiology of Occupational Injury, Feb 4.
- 2009 "Behavioral Etiology of Flat Head Baby Syndrome." Community and Behavioral Health Seminar, University of Iowa, Apr 2.
- 2007 "Deformational Plagiocephaly: Recommendations for Future Research (Module 10)." Management of Deformational Plagiocephaly [Certificate Program], American Academy of Orthotists and Prosthetists. Chicago, IL, Oct. 26.
- 2007 "Race/Ethnicity," Social Determinants of Health, Department of Community and Behavioral Health, University of Iowa, Mar. 27.
- 2005 "The Plagiocephaly Epidemic in Anthropological Perspective: Biology, Behavior and Boas" Department of Anthropology Colloquium Series, University of Iowa, Feb. 18.
- 2000 "Anthropology." Social Science and Health, Department of Community and Behavioral Health, University of Iowa, Jan. 26.
- 1999 "Overview of Medical Anthropology." International Health, College of Public Health, University of Iowa, Oct. 13.
- 1999 "Malaria in New Guinea." Global Health Studies Seminar, Global Health Studies, University of Iowa, Mar. 30.
- 1999 "Bio-cultural Adaptation to Disease." Epidemiology of Infectious Disease, Department of Preventive Medicine and Environmental Health, University of Iowa, Feb. 23.

- 1999 "An Anthropological Perspective on the Classification and Treatment of Craniofacial Disorders." Applied Anthropology, Department of Anthropology, University of Iowa, Feb. 12.
- 1999 "Gene-Environment Interactions and the Colonization of the Pacific." Research Seminar, Division of Occupational and Environmental Health, Department of Preventive Medicine and Environmental Health, University of Iowa, Feb. 10.
- 1999 "Biological Anthropology in Clinical Treatment and Research." Medical Anthropology, Department of Anthropology, University of Iowa, Nov 21.
- 1999 "Quantitative Research Methodologies." Introduction to Research Methods in the Health Sciences, Department of Allied Health Education, University of Oklahoma Health Science Center, Oklahoma City, Oklahoma, Nov. 4.
- 1994 "The Sepik Coast Project." Medical Anthropology Seminar, Department of Anthropology, Southern Methodist University, Dallas, Texas, Oct. 4.

Conference Presentations Made

- 2019 **Kelly KM**, St. Clair M. Prehistory and Health. What Anthropological and Linguistic Data Tell Us about the Global Distribution of Hyperreactive Malarial Splenomegaly [poster]. Global Health Week Poster Session, College of Public Health, University of Iowa, September 18.
- 2018 **Kelly KM**. Occupational Health in Human History: Precarious Work from the Stone Age to the Gig Economy [poster], 2nd International Symposium to Advance Total Worker Health®, Bethesda, MD. May 8-11.
- 2017 **Kelly KM**, Campo S, Rohlman DS. Total Worker Health®: Occupational Safety and Health Policy in a Post-Industrial Economy. Behind Policy: Societal Influences. Anthropology Matters! 116th Annual Meeting of the American Anthropological Association, Washington, DC. November 28-December 3.
- 2017 **Kelly KM**. Measurement Topic 1: Review of compiled measures and outcomes from TWH studies, Total Worker Health® Workshop, Iowa City, IA. March 7-8.
- 2016 **Kelly KM**. The Total Worker Health® Project, One Day Safety University, Iowa Municipal Workers' Compensation Association, Des Moines, IA. October 11.
- 2016 **Kelly KM**. Anthropological perspective of total worker health. Worksite Wellness Summit: Roadmap To A Healthy Workplace, Bowling Green, Ky. April 27.
- 2003 **Kelly KM**, Littlefield, TR, Pomatto, JK, Cherney, JC. Infant car seats, carriers, bouncy seats and swings: Their role in deformational plagiocephaly. American Cleft Palate-Craniofacial Association, Asheville, NC, April 10-13.
- 2002 **Kelly KM**. Community Health Research as Human Population Biology. Invited Session: What Can Biological Anthropology Contribute to Medical Anthropology? (Biological Anthropology Section and Society for Medical Anthropology, W Trevathan, organizer). American Anthropological Association, New Orleans, LA, November 20-24.
- 2001 **Kelly KM**, Littlefield TR, Pomatto JK. Deformational plagiocephaly in concordant twins: Does in utero position point to a major risk? American Cleft Palate Craniofacial Association, Minneapolis, MN, April 23-28.
- 2001 **Kelly KM**, Reynolds SR, Moore G, Stromquist AM, Merchant JA. Developing age-based standards

- for respirators. American Industrial Hygiene Conference and Exposition, New Orleans, June 2-7.
- 2000 **Kelly KM.** Portals to the people. Marketing Anthropology on the Internet. (Session: Public Faces, Public Responsibility: Anthropology and the World Wide Web. L Zimmer-Tamakashi and **KM Kelly**, organizers). American Anthropological Association, San Francisco, CA, November 15-19.
- 1993 **Kelly KM, Bardach J, Salyer KE.** Does gender affect the postoperative growth of the maxilla? Indications from studies in beagles. American Cleft Palate-Craniofacial Association, Pittsburgh, PA, April 19-24.
- 1993 **Kelly KM, Bardach J, Salyer KE.** The effects of repair of an isolated lip defect on maxillary growth: an experimental study in beagles. American Cleft Palate-Craniofacial Association, Pittsburgh, PA, April 19-24.
- 1992 **Kelly KM.** On the genetic basis of hyperreactive malarious splenomegaly and the selection of G3M alleles. American Association of Physical Anthropologists, Las Vegas, NV, April 1-4.
- 1992 **Kelly KM, Bardach J, Salyer KE.** Effects of the sequence of lip and palate repair on maxillary growth. Plastic Surgery Research Council, Toronto, Ontario, April 29-May 2.
- 1992 **Kelly KM, Bardach J, Salyer KE.** The effects of two-stage versus simultaneous lip and palate repair on maxillary form: a study in beagles. American Cleft Palate-Craniofacial Association, Portland, OR, May 13-16.
- 1991 **Kelly KM.** An historical perspective on the contribution of anthropology to cleft lip and palate research. (Symposium: Anthropological Perspectives on Cleft Lip and Palate. **KM Kelly** and RE Ward, organizers) American Association of Physical Anthropologists, Toronto, Ontario, April 14-17.
- 1991 **Kelly KM, Bardach J.** Maxillary form following lip repair: an experimental study in beagles. American Cleft Palate-Craniofacial Association, Hilton Head, SC, March 18-21
- 1990 **Kelly KM, Bardach J, Squier CA, Garner, SL.** Effects of soft tissue repair on bone regeneration in surgical clefts in beagles. American Cleft Palate-Craniofacial Association, St. Louis, MO, May 13-18.
- 1988 **Kelly KM.** Selection and the Gm-hypothesis. American Association of Physical Anthropologists, Kansas City, MO, March 22-26.
- 1988 **Kelly KM, Bardach J.** Facial growth in beagles with cleft palate only following two-flap palatoplasty. American Cleft Palate Association, Williamsburg, VA, April 26-29.
- 1977 **Kelly KM.** The detection of altered collagen in cooked bone. Regents Honors Conference, Iowa City, IA, April 2.

Service

Professional Organizations

- 2021-2022 Treasurer, Iowa Cancer Consortium
- 2019-2022 Member, Iowa Cancer Consortium Board of Directors
- 2019-2022 Member, Iowa Cancer Consortium Finance Committee

- 2016-2020 Treasurer, Society for Anthropological Sciences
- 2005-2011 Moderator, H-MedAnthro Discussion List
- 1993-1994 Ad hoc Liaison for Basic Science and Clinical Research Committee, American Cleft Palate-Craniofacial Association.
- 1992-1993 Member, Committee on Membership Development, American Cleft Palate-Craniofacial Association

Institutional Committees

- 2019 Chair, Research Council, College of Public Health, University of Iowa
- 2017-2020 Member, Research Council, College of Public Health, University of Iowa (Department of Occupational & Environmental Health Center Representative)
- 2015-pres Member, Research Council, Office of the Vice President for Research, University of Iowa
- 2018-pres Member, Selection Committee, Recognizing Research and Innovation Excellence Staff Awards, Office of the Research and Economic Development, University of Iowa
- 1994-1996 Member, Transplant Committee, Columbia Hospital at Medical City Dallas

Review Panels

- 2024-pres Member, Advisory Board, Populations, Publisher: Multidisciplinary Digital Publishing Institute (MDPI)
- 2021-pres Co-Editor-in-Chief, Humans, Publisher: Multidisciplinary Digital Publishing Institute (MDPI)
- 2020-pres Member, Advisory behavioral and mental health section of the, International Journal of Environmental Research and Public Health (IJERPH), Publisher: Multidisciplinary Digital Publishing Institute (MDPI)
- 2020-pres Member, Advisory Board, Challenges, Publisher: Multidisciplinary Digital Publishing Institute (MDPI)
- 2011-2021 Member, Healthier Workforce Center Pilot Grant Review Committee
- 2015-2021 Publication Waiver Subcommittee, Research Council, Office of the Vice President for Research, University of Iowa
- 2020 External reviewer, NIOSH Alice Hamilton Award for Occupational Safety and Health: Communication and Guidance.
- 2020 External reviewer, NIOSH Alice Hamilton Award for Occupational Safety and Health: Behavioral and Social Science.
- 2016 External reviewer, NIOSH Alice Hamilton Award for Occupational Safety and Health, Epidemiology and Surveillance Category.
- 2016 External reviewer, NIOSH [2016]. Fundamentals of total worker health approaches: essential elements for advancing worker safety, health, and well-being. By Lee MP, Hudson H, Richards R, Chang CC, Chosewood LC, Schill AL, on behalf of the NIOSH Office for Total Worker Health.

Cincinnati, OH: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health. DHHS (NIOSH) Publication No. 2017-112.

- 1994-1996 Member, Institutional Review Board (human subjects), Columbia Hospital at Medical City Dallas
- 1991-1996 Member, Institutional Animal Care and Use Committee, Columbia Hospital at Medical City Dallas

Ad hoc Reviewer

- 2020-pres American Journal of Preventive Medicine, Publisher: Elsevier
- 2019-pres International Journal of Environmental Research and Public Health (IJERPH), Publisher: Multidisciplinary Digital Publishing Institute (MDPI)
- 2021 Vaccines, Publisher: Multidisciplinary Digital Publishing Institute (MDPI)
- 2020 Administrative Sciences, Publisher: Multidisciplinary Digital Publishing Institute (MDPI)
- 2020 Journal of Occupational Medicine and Toxicology, Publisher: BMC
- 2018 Population Health Management, Publisher: Mary Ann Liebert, Inc.
- 2018 Sustainability, Publisher: Multidisciplinary Digital Publishing Institute (MDPI)
- 2017 International Journal of Environmental Research and Public Health (IJERPH), Publisher: Multidisciplinary Digital Publishing Institute (MDPI)
- 2017 Annals of Work Exposures and Health, Publisher: Oxford
- 2017 Preventing Chronic Disease, Publisher: Centers for Disease Control and Prevention (CDC), Atlanta, GA
- 2009-2017 Medical and Biological Engineering and Computing, Publisher: International Federation for Medical and Biological Engineering, Springer Verlag
- 2000-2016 Great Plains Center for Agricultural Health and Safety Pilot Grant Program
- 2016 Business Leadership Network Community Grants, College of Public Health, University of Iowa.
- 2015 PLoS One (Anthropology), Publisher: Public Library of Science, Public Library of Science
- 2011 Social Science Funding Program, Office of the Vice President for Research, University of Iowa.
- 1993 Oral Biology and Medicine Study Section, National Institutes of Health, Bethesda, Maryland.

Organized Conferences, Sessions, etc.

- 2016 Moderator, Panel Discussion of "A Day's Work" (Documentary, 2015), Hawkeye On Safety Conference, Coralville, IA. August 9.
- 2000 Zimmer-Tamakashi L, **Kelly KM**, Organizers. Session: Public Faces, Public Responsibility: Anthropology and the World Wide Web. American Anthropological Association. San Francisco, CA. Nov 15-19.
- 1993 **Kelly KM**, Ward, RE, Organizers. Symposium: Anthropological Perspectives on Cleft Lip and

Palate. American Association of Physical Anthropologists, Toronto, Ontario, Apr 14-17.

Conference Committees

- 2016-2021 Member, Organizing Committee, Hawkeye on Safety Conference, Coralville, IA.
- 2017 Member, External Planning Committee, Total Worker Health® Research Methodology Workshop, College of Public Health, University of Iowa, Iowa City, IA. March 7-8.
- 2012 Member, Program and Organization Committees, Total Worker Health™ Symposium – Safe, Healthy and Cost-Effective Solutions. Coralville, IA. November 29-30.
- 2010 Member, Program and Organization Committees, Building a Healthier Workforce and a Healthy Iowa. Des Moines, IA. November 30.
- 2008 Member, Program and Organization Committees, A Healthier Workforce: Perspectives for Iowa and the Nation. Iowa City, IA. October 22.
- 1993-1995 Member, 1995 Program Committee, American Cleft Palate-Craniofacial Association.
- 1993-1994 Member, Scientific Program Committee, International Symposium on Surgical Techniques in Cleft Lip and Palate: Solving difficult problems, Dallas, Texas, Apr 12-16.
- 1987 Member, Local Arrangements Committee, State of the Art Conference: Multidisciplinary Management of Unilateral Cleft Lip and Palate, Iowa City, Iowa, Oct 14-17.

Student Committees

- 2015-2016 Member, Taehyun Roh PhD Committee, Interdisciplinary Graduate Program in Toxicology, University of Iowa.
- 2006 Research Supervisor, Laura Sawatzke BA Honors Project, Dept of Integrative Physiology, University of Iowa.
- 2005-2006 Member, Scott Maddux MA Committee, Dept of Anthropology, University of Iowa.
- 2005 Member, Angela Quella PhD Committee, Dept of Epidemiology, University of Iowa.
- 2005 Member, Angie Schroder MPH Committee, Dept of Occupational and Environmental Health, University of Iowa.
- 1999 Member, VJ Mudipalli MS Thesis Committee, Dept of Preventive Medicine, University of Iowa.
- 1990-1991 Member, Ekaterina Semendeferi Comprehensive Examination Committee, Dept of Anthropology, University of Iowa.
- 1990-1991 Member, Uma B. Dixit MS Thesis Committee, Dept of Pediatric Dentistry, University of Iowa.
- 1990-1991 Member, James B. Hemphill MA Committee (non-thesis concentration in museology), Dept of Anthropology, University of Iowa.
- 1989-1991 Member, Richard A. Nisbett Comprehensive Examination and PhD Committees, Dept of Anthropology, University of Iowa.
- 1987-1988 Research Supervisor, Laura Brinks BA Honors Project, Dept of Anthropology, University of Iowa.

1983-1990 Cooperating Research Scientist, Iowa-Secondary Student Training Program, Science Education,
College of Education, University of Iowa.