

CURRICULUM VITAE

Robert Andrew Walker

DATE OF BIRTH: March 6, 1958 **PLACE OF BIRTH:** Cumberland, Maryland, USA

TELEPHONE: (315) 568-3210 (office)

PRESENT ADDRESS:

Professor of Anatomy
Department of Basic Sciences
Founding Dean, M.S. in Clinical Anatomy Program
New York Chiropractic College
2360 State Route 89
Seneca Falls, New York 13148-0800

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EDUCATION:

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| Postdoctoral Fellow | 1990-1991 | Microscopic Anatomy |
| Department of Cell, Molecular and Structural Biology, Northwestern University
College of Medicine, Chicago, Illinois | | |
| Ph.D. | Kent State University, Kent, Ohio | 1989 |
| | | Biomedical Sciences
(Biological Anthropology Program Committee) |
| Dissertation: <i>Assessment of Cortical Bone Dynamics and Skeletal Age at Death from Femoral Cortical Histomorphology</i> , Dissertation submitted to the School of Biomedical Sciences | | |
| M.A. | Kent State University, Kent, Ohio | 1982 |
| | | Biological Anthropology |
| Thesis: <i>The Evaluation of Bone Loss and Skeletal Age at Death from Femoral Cortical Thickness and Optical Densitometry of Radiographs</i> , Department of Anthropology. | | |
| B.A. | University of Arkansas at Fayetteville | 1980 |
| | | Anthropology
(with High Honors) |
| Honors Thesis: <i>Dental Pathologies, Wear, and Sexual Dimorphism at the Gold Mine Site</i> , Department of Anthropology. | | |

PRESENT POSITIONS:

Professor of Anatomy, Department of Basic Sciences, New York Chiropractic College, Seneca Falls, New York, from September 1, 1999 (Associate Professor from January 1, 1995 to August 31, 1999; Assistant Professor from January 1, 1992 to December 31, 1994.)

Founding Dean, M.S. in Clinical Anatomy Program, New York Chiropractic College, from September 1, 2006.

Adjunct Professor of Human Anatomy, Finger Lakes Regional EMS Council, Finger Lakes Community College, 2914 County Road 48, Canandaigua, New York 14424, from March, 1998.

PROFESSIONAL ORGANIZATIONS:

American Association for the Advancement of Science.

American Association of Anatomists.

American Anthropological Association: Biological Anthropology Section.

American Association of Clinical Anatomists.

American Association of Physical Anthropologists.

Human Biology Association.

Sigma Xi.

Human Anatomy and Physiology Society.

American Association of University Professors.

HONORS AND AWARDS:

Phi Eta Sigma, University of Arkansas, February, 1977

Alpha Lambda Delta, University of Arkansas, April, 1977

Phi Beta Kappa, University of Arkansas, April, 1980.

Outstanding Undergraduate in Anthropology, University of Arkansas, April, 1980.

Bachelor of Arts with High Honors in Anthropology, University of Arkansas, May 1980.

Dissertation Award, Department of Biological Sciences, Kent State University, April, 1987.

Official Commendation: Special Act Award, Department of the Army, U.S. Army Natick Research, Development and Engineering Center, Natick, Massachusetts, May 18, 1989.

Nominated for the Student Government Association Teacher of the Year Award 1994, by the Class of April 1997, New York Chiropractic College, June 14, 1994

Recipient of the Student Government Association Teacher of the Year Award 1995, New York Chiropractic College, June 29, 1995.

Nominated for the Student Government Association Teacher of the Year Award 1996, New York Chiropractic College, July 24, 1996.

Nominated for the NYCC Board of Trustees Faculty of the Year Award 1997, New York Chiropractic College, January 16, 1998.

Recipient, NYCC Board of Trustees Faculty of the Year Award 1998, New York Chiropractic College, May 15, 1999.

Recipient, First Annual NYCC Excellence in Research and Scholarly Activity Award, New York Chiropractic College, September 28, 2000.

Recipient, Daisy Marquis Jones Program of Occupational Therapy Outstanding Service Award, Keuka College, New York, November 30, 2001.

Recipient, Annual NYCC Excellence in Research and Scholarly Activity Award, New York Chiropractic College, September 28, 2006.

ADMINISTRATIVE EXPERIENCE:

Field Supervisor, U.S. Army Anthropometric Survey. Headed a field team of 23 civilian and military personnel that collected biographical and height and weight data on over 25,000 U.S. Army personnel, and complete anthropometric data on nearly 9,000 individuals, July, 1987 to July, 1988.

Project Officer, Contract No. DAAK60-89-C-1001 *Anthropometric Regression Analysis and Bivariate Frequency Tables*, U.S. Army Natick Research, Development, and Engineering Center, Natick, Massachusetts, March, 1989 to March, 1990.

Project Officer, Contract No. DAAK60-86-C-0128 *Anthropometric Survey*, U.S. Army Natick Research, Development, and Engineering Center, Natick, Massachusetts, March, 1989 to October, 1989.

Project Manager, *Currency of U.S. Army Anthropometric Database*, U.S. Army Natick Research, Development, and Engineering Center, Natick, Massachusetts, March, 1989 to August, 1990.

Project Manager, *Gender and Racial Variation in U.S. Army Personnel*, U.S. Army Natick Research, Development, and Engineering Center, Natick, Massachusetts, October, 1989 to August, 1990.

Coordinator of Anatomy, New York Chiropractic College, Seneca Falls, New York, from September 26, 1994 to October 31, 1996.

Head, Department of Anatomy, New York Chiropractic College, from January 1, 1998 to August 31, 2003 (Acting Head, from November 1, 1996 to December 31, 1997). Department of Anatomy and Department of Physiopathology combined into the Department of Basic Sciences as of September 1, 2003.

Head, Department of Basic Sciences, New York Chiropractic College, Seneca Falls, New York, September 1, 2003 to August 31, 2006. (Acting head from February 7, 2003 to August 31, 2003.)

Director of Clinical Anatomy, from February 12, 2009 to August 31, 2009 (Founding Dean of the M.S. in Clinical Anatomy Program, from September 1, 2006 to February 11, 2009) New York Chiropractic College, Seneca Falls, New York.

Director, Anatomical Gift Program, Department of Anatomy, New York Chiropractic College, Seneca Falls, New York, from September 1, 1997 to August 31, 2009.

Director, New York Chiropractic College Non-transplant Anatomic Tissue Bank, Seneca Falls, New York, from September 1, 1997 to August 31, 2009.

TEACHING EXPERIENCE:

Instructor, Human Osteology, Northwest Arkansas Archaeological Society, University of Arkansas, Fayetteville, Arkansas, 1979 to 1980.

Graduate Assistantship: academic advisor for undergraduates, Office of the Dean of the College of Arts and Sciences, Kent State University, 1982 to 1984.

Field Instructor of Archeology, Staas Site, Cuyahoga County, Ohio, under the auspices of the Cleveland Museum of Natural History, 1986 to 1987.

Instructor, Human Gross Anatomy and Embryology, Northeast Ohio Universities College of Medicine, Rootstown, Ohio, 1986 to 1987.

Instructor, Introduction to Physical Anthropology, Department of Sociology and Anthropology, Kent State University, Kent, Ohio, 1987.

Course Coordinator, Microanatomy for Dental Students, Department of Cell, Molecular, and Structural Biology, Northwestern University Medical School, Chicago, Illinois, August, 1990 to December, 1991.

Laboratory Instructor, Microanatomy for Medical Students, Department of Cell, Molecular, and Structural Biology, Northwestern University Medical School, Chicago, Illinois, Spring, 1991.

Tutorial Instructor, Microanatomy for Dental Students, Department of Cell, Molecular, and Structural Biology, Northwestern University Medical School, Chicago, Illinois, June to August, 1991.

Professor, Department of Basic Sciences, New York Chiropractic College, Seneca Falls, New York, from September, 1999. Associate Professor, January, 1995 to August, 1999. Assistant Professor, Anatomy, January, 1992 to December, 1994. Includes instruction in three courses: Gross Anatomy One (osteology, back, thorax), Gross Anatomy Two (upper and lower extremities, pelvis and perineum), and Gross Anatomy Three (abdomen, head and neck). All are lecture and laboratory courses.

Teaching Duties at New York Chiropractic College have included:

Doctor of Chiropractic Program:

Lead Instructor, Gross Anatomy One Lecture, April, 1992 to August, 1996.

Lead Instructor and Course Coordinator, Gross Anatomy One Laboratory, January, 1992 to August, 1996.

Lead Instructor and Course Coordinator, Gross Anatomy One, Combined Laboratory and Lecture Course, September, 1996 to present.
Lead Instructor, Gross Anatomy Two Lecture, April, 1992 to August, 1993.
Laboratory Faculty, Gross Anatomy Two Laboratory, January, 1992 to present.
Laboratory Faculty, Gross Anatomy Three Laboratory, January, 1992 to present.
Tutorial Instructor, Histology, Winter Trimester, 1993.
Tutorial Instructor, Gross Anatomy Three, Spring Trimester, 1993.
Tutorial Instructor, Gross Anatomy Two Laboratory, Fall Trimester, 1994.
Temporary Lead Instructor, Gross Anatomy Three Laboratory, Fall Trimester, 1994.
Temporary Lead Instructor, Gross Anatomy Two, July and August, 1995.
Lecturer, Research Methods, 1997 to 2005.
Lead Instructor, Advanced Arthrology, from May, 2002.
Lead Instructor, Forensic Osteology, from May, 2002.
Lecturer, Histology, from September, 2002 to September, 2008.
Master of Science in Clinical Anatomy Program:
Lead Instructor, Clinical Anatomy, September, 2007 to present.
Lead Instructor, Special Topics in Gross Anatomy, September, 2007 to present.
Lead Instructor, Special Topics in Histology, September, 2007 to August, 2009.
Lead Instructor, Advanced Special Dissection, September, 2007 to present.
Lead Instructor, Cross Sectional Imaging Anatomy, September, 2007 to August, 2009, Spring Trimester, 2013 to present.
Director of Thesis Research, September, 2007 to August, 2009.

M.S. In Clinical Anatomy Student Advising:

Thesis Advisor, Kathy Dooley, D.C., September, 2007 to August, 2009.
Thesis Committee Member, Jenette Ball, D.C., September 2008 to August, 2010,

Laboratory Instructor, Gross Anatomy for Paramedic Students, Finger Lakes Regional EMS Council under the auspices of Finger Lakes Community College, from March, 1998.

RESEARCH POSITIONS:

Graduate Assistant, Department of Sociology and Anthropology, Kent State University, 1980 to 1982.

Laboratory Assistant, NSF Grant BNS-7912514, Paleobiology of the Pliocene Hominidae from Hadar, Ethiopia: An Anatomical, Biomechanical and Morphometric Analysis. Kent State University, 1982.

Research Assistant, NSF Grant BNS-8408126, Analysis of Non-metric Craniodental Traits in Living and Fossil Hominoids. Kent State University, 1984 to 1986.

Research Anthropologist, U.S. Army Natick Research, Development, and Engineering Center, Natick, Massachusetts, July, 1987 to August, 1990.

Postdoctoral Fellow, Northwestern University Medical School, Department of Cell, Molecular, and Structural Biology, August, 1990 to December, 1991.

Professor of Anatomy, Department of Basic Sciences, New York Chiropractic College, Seneca Falls, New York, from September 1, 1999. Associate Professor, from January, 1995 to August, 1999. Assistant Professor from January, 1992 to December, 1994.

RESEARCH INTERESTS AND GOALS:

My primary research interests are in the interactions of human and primate functional morphology, skeletal biomechanics, and the histomorphometrics of cortical bone. The focus of my research falls into two broad categories. First, I am particularly interested in the effects of age on skeletal homeostasis, and the application of age-, racial-, and gender-specific changes in bone micro- and macrostructure, and their applications to forensic age, sex, and racial identification of human skeletal remains. Second, I am involved in research on basic patterns of remodeling in the mammalian skeleton, and have established a calcified tissue microscopy laboratory within the New York Chiropractic College Anatomy Department. Current research carried out in this laboratory focuses upon the mechanisms affecting patterns of remodeling seen in cortical bone histomorphology and histomorphometry. The elucidation of these factors has applications related to human health and well-being, to human health care education, and to the forensic and archeological applications of skeletal biology.

GRANTS:

Bone Histology Research at New York Chiropractic College: A Research Proposal. Internal Grant Proposal for Research Equipment. Submitted to the Research Department at New York Chiropractic College, February 10, 1997. Approved by the College Research Committee and funded, April, 1997. Continued funding approved July, 1998, June, 2000, July, 2010.

Preparation of NYCC portion of a grant to fund a Science and Technology Center for the Study of Bone Biology. From January, 2000.

ANTHROPOLOGICAL FIELD EXPERIENCE:

Excavation and dental and demographic analyses of human skeletal remains recovered from the Gold Mine site (16RI13), Richland Parish, Louisiana, 1980.

Excavation of the Staas Site, Cuyahoga County, Ohio. In conjunction with the Cleveland Museum of Natural History, 1986 to 1987.

Field Supervisor, U.S. Army Anthropometric Survey. Headed a field team of 23 civilian and military personnel that collected biographical and height and weight data on over 25,000 U.S. Army personnel, and complete anthropometric data on nearly 9,000 individuals, July, 1987 to July, 1988.

HUMAN ANATOMICAL, OSTEOLOGICAL, AND HISTOLOGICAL LABORATORY EXPERIENCE:

Dental and paleodemographic analyses of human skeletal remains recovered from the Gold Mine site (16RI13), Richland Parish, Louisiana; University of Arkansas, 1979 to 1980.

Dental analysis of human skeletal remains recovered from the U.S. Army Corps of Engineers Tombigbee Waterway Project, Mississippi; University of Arkansas, 1980.

Morphological and metric examination and analysis of human skeletal material from the Libben collection, Kent State University, 1981 to present.

Morphological and histological examination and analysis of human skeletal material from the Hamann-Todd collection, Cleveland Museum of Natural History, 1981 to present.

Morphological and dental examination of pongid and other primate skeletal material from the Hamann-Todd collection, Cleveland Museum of Natural History, 1981 to present.

Statistical and morphometric analyses of human skeletal material recovered from the Carlston Annis site (BT-5), a Green River Archaic shell midden from Kentucky, Kent State University, 1982.

Comparative biomechanical analysis of fossil hominid limb bones from Arago, France, Kent State University, 1983.

Comparative biomechanical analysis of fossil hominid limb bones from Hadar, Ethiopia, Kent State University, 1983.

Preparation and analysis of undecalcified human cortical bone thin sections and photomicrographs, Kent State University, 1984-1987.

Morphological and histological examination and analysis of human skeletal material from anatomical specimens, Kent State University, 1984 to 1989.

Morphological examination of human skeletal remains in the University of Arkansas Museum, Fayetteville, Arkansas, 1985.

Instruction in calcified tissue thin-section techniques with Jerome C. Rose, Ph.D., University of Arkansas, 1985.

Preparation of prosections, Department of Anatomy, Northeast Ohio Universities College of Medicine, 1986 to 1987.

Teaching Assistant, Human Gross Anatomy and Embryology, Northeast Ohio Universities College of Medicine, Rootstown, Ohio, 1986 to 1987.

Course Coordinator, Histology for Dental Students, Northwestern University Medical School, Chicago, Illinois, September, 1990 to December, 1991.

Laboratory Instructor, Histology for Medical Students, Northwestern University Medical School, Chicago, Illinois, Spring, 1991.

Professor of Anatomy, Department of Basic Sciences, New York Chiropractic College, Seneca Falls, New York, from September 1, 1999. Associate Professor, from January, 1995 to August, 1999. Assistant Professor from January, 1992 to December, 1994.

Investigation of age related changes in histomorphology and mass of human cortical bone, Northwestern University Medical School, Chicago, Illinois, August, 1990 to December, 1991; and New York Chiropractic College, ongoing.

Preparation and analysis of human and nonhuman mammalian undecalcified cortical bone thin sections, New York Chiropractic College Anatomy Laboratory and Kent State University Biological Anthropology Laboratory, January, 1992 to present.

Preparation and analysis of human auditory ossicle bone thin sections, New York Chiropractic College Anatomy Laboratory, August, 2005 to present.

IDENTIFICATION OF AGE, SEX, AND RACE IN HUMAN SKELETAL REMAINS:

Development of multifactorial techniques for the assessment of sex and age at death in human skeletal remains, Kent State University, 1981 to 1984.

Forensic analyses of age, sex, and race in unidentified human remains, Kent State University, 1982 to 1987 (with C. Owen Lovejoy, Ph.D., Department of Anthropology, Kent State University).

Identification of skeletal age at death from undecalcified human cortical bone thin sections and photomicrographs, Kent State University, 1984 to 1987.

Forensic analyses of age, sex, and race in unidentified human remains, U.S. Army Natick Research, Development, and Engineering Center, for Worcester County, Massachusetts, Medical Examiner's Office, 1990 (with Anthony Falsetti, Ph.D., U.S. Army Natick Research, Development and Engineering Center).

Analysis of age-related changes in cortical bone histomorphometry and cortical bone mass, New York Chiropractic College, ongoing.

Forensic identification/differentiation of human and animal bone, Seneca County Sheriff's Department, Waterloo, New York, beginning April, 1999, including:

Identification of bone as nonhuman, probably bovine metapodial, April 14, 1999. Contact at Seneca County Sheriff's Office: Deputy Sheriff Robert M. Lahr.

ANTHROPOMETRY AND HUMAN ENGINEERING EXPERIENCE:

Research Anthropologist, U.S. Army Natick Research, Development, and Engineering Center, Natick, Massachusetts, July, 1987 to August, 1990.

Field Supervisor, U.S. Army Anthropometric Survey, July, 1987 to July, 1988.

Training in anthropometric techniques with Dr. Bruce Bradtmiller of Anthropology Research Project, Inc., Yellow Springs, Ohio, at the U.S. Army Natick Research, Development, and Engineering Center, Natick, Massachusetts, August, 1989.

Testing of fit and design criteria in U.S. Army personal clothing and protective equipment, U.S. Army Natick Research, Development, and Engineering Center, Natick, Massachusetts, August, 1988 to August, 1990.

Project Officer, Contract No. DAAK60-89-C-1001 *Anthropometric Regression Analysis and Bivariate Frequency Tables*, U.S. Army Natick Research, Development, and Engineering Center, Natick, Massachusetts, March, 1989 to March, 1990.

Project Officer, Contract No. DAAK60-86-C-0128 *Anthropometric Survey*, U.S. Army Natick Research, Development, and Engineering Center, Natick, Massachusetts, March, 1989 to October, 1989.

Project Manager, *Currency of U.S. Army Anthropometric Database*, U.S. Army Natick Research, Development, and Engineering Center, Natick, Massachusetts, March, 1989 to August, 1990.

Project Manager, *Gender and Racial Variation in U.S. Army Personnel*, U.S. Army Natick Research, Development, and Engineering Center, Natick, Massachusetts, October, 1989 to August, 1990.

MAMMALIAN COMPARATIVE ANATOMICAL, OSTEOLOGICAL, AND HISTOLOGICAL LABORATORY EXPERIENCE:

Morphological and dental examination of pongid skeletal material from the Museum of Comparative Zoology and the Peabody Museum, Harvard University, 1984.

- Morphological and dental examination of pongid skeletal material from the Smithsonian Institution, 1984-1986.
- Curation of murine breeding colony, including Little (lt/lt) and Pygmy (pg/pg) strains of dwarf mice, Northwestern University Medical School, Chicago, Illinois, August, 1990 to December, 1991.
- Preparations of undecalcified thin sections of murine long bone cross sections to assess effects of growth hormone on postcranial morphology, Northwestern University Medical School, Chicago, Illinois, August, 1990 to December, 1991.
- Preparation of undecalcified thin sections of feline long bone cross sections to examine inter- and intrabone variation in histomorphology and histomorphometry within the mammalian appendicular skeleton, New York Chiropractic College, Seneca Falls, New York, from June, 1997.
- Preparation of undecalcified thin sections of human long bone cross sections to examine inter- and intrabone variation in histomorphology and histomorphometry within the human and vertebrate appendicular skeleton, New York Chiropractic College, Seneca Falls, New York, from April, 1998.
- Preparation of undecalcified thin sections of avian, mammalian and reptilian long bone cross sections to examine inter- and intrabone variation in histomorphology and histomorphometry within the vertebrate appendicular skeleton, New York Chiropractic College, Seneca Falls, New York, from June, 1998.

OTHER SCHOLARLY ACTIVITIES:

- Member, Editorial Board, *The Open Anthropology Journal*, from January, 2008.
- Member, Editorial Board, *Arts and Social Sciences Journal*, from January, 2010.
- Review manuscripts for *Collegium Antropologicum*, Zagreb, Croatia.
- Grant Reviewer, Consortium for Chiropractic Research, December, 1993 to date. Review of *Theory of the Biomechanics and Dynamics of the Chiropractic Adjustment*, by Alan Solinger, Ph.D., Parker College of Chiropractic, November, 1995.
- Grant Reviewer, National Science Foundation, January 1994 to date. Grants reviewed:
- January, 1994. *Lectin binding patterns in the skin of larval and adult amphibians*, by Jane C. Kaltenbach, Mount Holyoke College.

August, 1997. *Micro- and macroscopic architecture of the human midshaft femur: A quantitative study of variability with age and sex*, by T.G. Bromage and H.M. Goldman, Department of Anthropology, Hunter College, CUNY.

July, 1999. *The structure and function of trabecular bone in the proximal femur of strepsirhine primates*, by J. Kappelman and T. M. Ryan, Department of Anthropology, University of Texas at Austin.

Grant Reviewer, L.S.B. Leakey Foundation, January 1997 to date. Grant reviewed:

September, 1997. *Micro- and macroscopic architecture of the human midshaft femur: A quantitative study of variability with age and sex*, by H.M. Goldman, Department of Anthropology, Hunter College, CUNY.

Abstract Reviewer, submissions of faculty papers for the 1998 Association of Chiropractic Colleges Educational Conference.

Chair, Poster Session: Skeletal Biology III. Annual Meeting of the American Association of Physical Anthropologists, Salt Lake City, Utah, April 3, 1998.

Examination Writer, National Board Part I Basic Science Spinal Anatomy Test Committee, National Board of Chiropractic Examiners, Greeley, Colorado. April, 1998 to April, 2001.

Regional Coordinator, American Association of Clinical Anatomists, Survey of Graduate Anatomy Programs, Eastern North American Chiropractic Colleges. 1998.

Reviewer, *The Head Neck, and Trunk*, 6th Edition, by John H. Warfel, for Lippincott, Williams and Wilkins, June, 1999.

Abstract Reviewer, submissions of faculty papers for the 2000 Association of Chiropractic Colleges Educational Conference.

Abstract Reviewer, submissions of faculty papers for the 2001 Association of Chiropractic Colleges Educational Conference.

Abstract Reviewer, submissions of faculty papers for the 2002 Association of Chiropractic Colleges Educational Conference.

Abstract Reviewer, submissions of faculty papers for the 2003 Association of Chiropractic Colleges Educational Conference.

Abstract Reviewer, submissions of faculty papers for the 2004 Association of Chiropractic Colleges Educational Conference.

Paper Reviewer, submitted papers for the 2004 Digital Human Modeling Symposium organized by the Society of Automotive Engineers, January, 2004.

Member, American Anatomical Association's "Ask the Experts" panel, American Anatomical Association web site: http://www.anatomy.org/Education/ask_expert/default.asp .
From January, 2004.

Review manuscripts for *Clinical Anatomy*, beginning June, 2004.

Paper Reviewer, submitted papers for the 2005 Digital Human Modeling Symposium organized by the Society of Automotive Engineers, March, 2005.

Abstract Reviewer, submissions of faculty papers for the 2005 Association of Chiropractic Colleges Educational Conference.

Abstract Reviewer, submissions of faculty papers for the 2006 Association of Chiropractic Colleges Educational Conference.

Principal author of proposal to the Office of Higher Education of New York Office of College and University Evaluation for an NYCC Master of Science in Clinical Anatomy, 2005-2006.

Abstract Reviewer, submissions of faculty papers for the 2007 Association of Chiropractic Colleges Educational Conference.

Abstract Reviewer, submissions of faculty papers for the 2008 Association of Chiropractic Colleges Educational Conference.

Review of chapter manuscript for in: Sargis, EG, and Dagosto, M (eds.) (2008) *Mammalian Evolutionary Morphology: A tribute to Eric S. Szalay*, 385-426. Springer Science + Business Media B.V.

Abstract Reviewer, submissions of faculty papers for the 2009 Association of Chiropractic Colleges Educational Conference.

Abstract Reviewer, submissions of faculty papers for the 2010 Association of Chiropractic Colleges Educational Conference.

Consultant, 2010-2011 ANSUR II Survey of U.S. Army Personnel. U.S. Army Natick Soldier Research, Development, and Engineering Center, Natick, Massachusetts.

Abstract Reviewer, submissions of faculty papers for the 2011 Association of Chiropractic Colleges Educational Conference.

Abstract Reviewer, submissions of faculty papers for the 2012 Association of Chiropractic Colleges Educational Conference.

Abstract Reviewer, submissions of faculty papers for the 2013 Association of Chiropractic Colleges Educational Conference.

Anatomical Consultant, Upright Footwear Inc., from January, 2014.

Abstract Reviewer, submissions of faculty papers for the 2014 Association of Chiropractic Colleges Educational Conference.

Abstract Reviewer, submissions of faculty papers for the 2015 Association of Chiropractic Colleges Educational Conference.

Abstract Reviewer, submissions of faculty papers for the 2016 Association of Chiropractic Colleges Educational Conference.

Chair, Poster Session: Session 12. Skeletal Biology: Growth, Development and Variation. Annual Meeting of the American Association of Physical Anthropologists, Atlanta, Georgia, April 14, 2016.

WORKS IN PROGRESS:

Histomorphometric and macroscopic assessment of changes in cortical bone with age in relation to sex, parity, and nutritional status.

Sexual and Racial Variation in cortical thickness in the human postcranial skeleton.

Analysis of sexual, racial, and age-related variation in human skeletal morphology and proportions.

Histomorphological analysis of the human auditory ossicles (with T. M. Greiner).

Histomorphological variation within and among skeletal elements of individuals.

PUBLICATIONS:

Walker, R.A., and C.O. Lovejoy (1985) Radiographic Changes in the clavicle and proximal femur and their use in the determination of skeletal age at death. *American Journal of Physical Anthropology* 68:67-78.

Meindl, R.S., C.O. Lovejoy, R.P. Mensforth, and R.A. Walker (1985) A revised method of age determination using the os pubis, with a review and tests of accuracy of other methods of pubic symphyseal aging. *American Journal of Physical Anthropology* 68:29-45.

- Gordon, C.C., T. Churchill, C.E. Clauser, B. Bradtmiller, J.T. McConville, I. Tebbetts, and R.A. Walker (1989) *1988 Anthropometric Survey of U.S. Army Personnel: Summary Statistics Interim Report*. U.S. Army Natick Research, Development and Engineering Center Technical Report NATICK/TR-89/027, Natick, Massachusetts.
- Gordon, C.C., T. Churchill, C.E. Clauser, B. Bradtmiller, J.T. McConville, I. Tebbetts, and R.A. Walker (1989) *1988 Anthropometric Survey of U.S. Army Personnel: Methods and Summary Statistics*. U.S. Army Natick Research, Development and Engineering Center Technical Report NATICK/TR-89/044, Natick, Massachusetts.
- Cheverud, J., C.C. Gordon, R.A. Walker, C. Jacquish, L. Kohn, A. Moore, and N. Yamashita (1990) *1988 Anthropometric Survey of U.S. Army Personnel: Bivariate Frequency Tables*. U.S. Army Natick Research, Development and Engineering Center Technical Report NATICK/TR-90/031, Natick, Massachusetts.
- Cheverud, J., C.C. Gordon, R.A. Walker, C. Jacquish, L. Kohn, A. Moore, and N. Yamashita (1990) *1988 Anthropometric Survey of U.S. Army Personnel: Regression Equations and Correlation Coefficients. Part 1. Statistical Techniques, Landmark, and Measurement Definitions*. U.S. Army Natick Research, Development and Engineering Center Technical Report NATICK/TR-90/032, Natick, Massachusetts.
- Cheverud, J., C.C. Gordon, R.A. Walker, C. Jacquish, L. Kohn, A. Moore, and N. Yamashita (1990) *1988 Anthropometric Survey of U.S. Army Personnel: Regression Equations and Correlation Coefficients. Part 2. Simple and Partial Correlation Tables-Male*. U.S. Army Natick Research, Development and Engineering Center Technical Report NATICK/TR-90/033, Natick, Massachusetts.
- Cheverud, J., C.C. Gordon, R.A. Walker, C. Jacquish, L. Kohn, A. Moore, and N. Yamashita (1990) *1988 Anthropometric Survey of U.S. Army Personnel: Regression Equations and Correlation Coefficients. Part 3. Simple and Partial Correlation Tables-Female*. U.S. Army Natick Research, Development and Engineering Center Technical Report NATICK/TR-90/034, Natick, Massachusetts.
- Cheverud, J., C.C. Gordon, R.A. Walker, C. Jacquish, L. Kohn, A. Moore, and N. Yamashita (1990) *1988 Anthropometric Survey of U.S. Army Personnel: Regression Equations and Correlation Coefficients. Part 4. Bivariate Regression Tables*. U.S. Army Natick Research, Development and Engineering Center Technical Report NATICK/TR-90/035, Natick, Massachusetts.
- Cheverud, J., C.C. Gordon, R.A. Walker, C. Jacquish, L. Kohn, A. Moore, and N. Yamashita (1990) *1988 Anthropometric Survey of U.S. Army Personnel: Regression Equations and Correlation Coefficients. Part 5. Stepwise and Standard Multiple Regression Tables*. U.S. Army Natick Research, Development and Engineering Center Technical Report NATICK/TR-90/036, Natick, Massachusetts.
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- Walker, R.A. (1992) Review of: *Somatotyping: Development and Application*, by J.E. Lindsay Carter and Barbara Honeyman Heath. *American Anthropologist* 94: 245-246.
- Walker, R.A. (1993) The impact of racial variation on human engineering design criteria. In: *Race, Ethnicity, and Applied Bioanthropology*, NAPA Bulletin 13: 7-21. C.C. Gordon, ed., National Association for the Practice of Anthropology, American Anthropological Association.
- Walker, R.A., C.O. Lovejoy and R.S. Meindl (1994) The histomorphological and geometric properties of human femoral cortex in individuals over 50: Implications for histomorphological determination of age-at-death. *American Journal of Human Biology* 6: 659-667.
- Walker, R.A. (2000) Properties of the cortex of the midshaft femur: Variation in three human populations (2000) *Homo: Journal of Comparative Human Biology* 51: 180-199.
- Walker, R.A., C.O. Lovejoy, M.E. Bedford, and W. Yee (2002) *Skeletal and Developmental Anatomy for Students of Chiropractic*. F.A. Davis Company, Publishers, Philadelphia, PA.
- Greiner, T.M., M.E. Bedford, and R.A. Walker (2004) Variability in the human M. spinalis and cervicis: Frequencies and definitions. *Annals of Anatomy* 186: 185-191.
- Walker, R.A. and J.P. Grod, (2006) Functional Anatomy of the Lumbar Spine. In: Morris, CE (ed.) *Low Back Syndromes: Integrated Clinical Management*, pp. 19-62. McGraw-Hill Medical Publishing Division.
- Walker, R.A., C.O. Lovejoy, M.E. Bedford, and W. Yee (2007) *Skeletal and Developmental Anatomy, Second Edition*. Linus Publications, New York.
- Walker, R.A., C.O. Lovejoy, R. Cordes (2009) Histomorphological Variation in the Appendicular Skeleton. *Open Anthropology Journal* 2: 1-35.

IN PREPARATION:

- Walker, R.A. (n.d.) Variation in remodeling about the perimeter of the midshaft human femur. Manuscript to be submitted to *Homo: Journal of Comparative Human Biology*.

PRESENTED PAPERS:

- Walker, R.A. (1990) A new method of age determination from the histological structure of cortical bone with tests of previous methods. Paper presented at the 1990 Annual Meeting of the Northeastern Anthropological Association. Burlington, Vermont, March 29, 1990.

- Walker, R.A. (1990) An assessment of histological age determination techniques. Paper presented at the 59th Annual Meeting of the American Association of Physical Anthropologists. Miami, Florida, April 7, 1990. (Abstract published in *American Journal of Physical Anthropology* 81: 313 [1990]).
- Walker, R.A. (1991) Variation in femoral cortical thickness in three human populations. Paper presented at the 60th Annual Meeting of the American Association of Physical Anthropologists, Milwaukee, Wisconsin, April 4, 1991. (Abstract published in *American Journal of Physical Anthropology*, Supplement 12: 179 [1991]).
- Walker, R.A. (1991) The impact of racial variation on human engineering design criteria. Paper presented at the 90th Annual Meeting of the American Anthropological Association, Chicago, Illinois, November 20, 1991, as a part of the symposium: *Race, Ethnicity, and Applied Bioanthropology*.
- Walker, R.A. (1992) Human variation, cortical bone histology, and the determination of skeletal age at death. Paper presented at the 61st Annual Meeting of the American Association of Physical Anthropologists, Las Vegas, Nevada, April 3, 1992. (Abstract published in *American Journal of Physical Anthropology*, Supplement 14: 169 [1992]).
- Walker, R.A. (1993) Relationship of cross-sectional biomechanical properties of cortical bone to histomorphology in white Americans over 50. Paper presented at the 62nd Annual Meeting of the American Association of Physical Anthropologists, Toronto, Ontario, April 15, 1993. (Abstract published in *American Journal of Physical Anthropology*, Supplement 16: 202 [1993]).
- Walker, R.A. (1996) Remodeling and cross-sectional geometric properties of human femoral cortical bone. Paper presented at the 65th Annual Meeting of the American Association of Physical Anthropologists, Research Triangle Park, North Carolina, April 11, 1996. (Abstract published in *American Journal of Physical Anthropology*, Supplement 22: 237 [1996]).
- Walker, R.A. (1996) Analysis of bone mass, relative strength, and histomorphology in human femoral cortical bone: an overview. Part of the poster presentation "A multidisciplinary approach to solving problems related to bipedal human locomotion," by R. Bulbulian, D. Dishman, T. Greiner, V. Sciotti, and R. Walker, presented at the National Workshop to Develop the Chiropractic Research Agenda (funded by the U.S. Health Resources and Services Administration). Washington, D.C., July 12 to 14, 1996.
- Walker, R.A. (1997) Intraindividual variation in cortical thickness and histomorphology of the midshaft femur. Paper presented at the 66th Annual Meeting of the American Association of Physical Anthropologists, St. Louis, Missouri, April 3, 1997. (Abstract published in *American Journal of Physical Anthropology*, Supplement 24: 234 [1997]).
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- Walker, R.A. (1998) A survey of remodeling in the mammalian skeleton: a pilot study. Paper presented at the 67th Annual Meeting of the American Association of Physical Anthropologists, Salt Lake City, Utah, April 2, 1998. (Abstract published in *American Journal of Physical Anthropology*, Supplement 26: 224-225 [1998]).
- Greiner, T.M., M.E. Bedford and R.A. Walker (1998) Variability in the human *m. spinalis capitis et cervicis*: Frequencies and definitions. Paper presented at the 67th Annual Meeting of the American Association of Physical Anthropologists, Salt Lake City, Utah, April, 1998. (Abstract published in *American Journal of Physical Anthropology*, Supplement 26: 88 [1998]).
- Walker, R.A. (1998) Intraindividual variation in mammalian appendicular skeletal histomorphology and cross-sectional geometry. Paper presented at the First Annual NYCC Research Symposium, May 22, 1998.
- Greiner, T.M., M.E. Bedford and R.A. Walker (1998) Variability in the Human *M. Spinalis Capitis et Cervicis*: Frequencies and Definitions. Paper presented at the First Annual NYCC Research Symposium, May 22, 1998.
- Philomin, R., C.T.S. Philomin, R. Schassburger, T.M. Greiner and R.A. Walker (1998) Abnormal Origin of the Right Subclavian Artery. Paper presented at the First Annual NYCC Research Symposium, May 22, 1998.
- Walker, R.A. (1999) Differential limb use and remodeling in the vertebrate skeleton. Paper presented at the Second Annual NYCC Research Symposium, February 27, 1999.
- Greiner, T.M. and R.A. Walker (1999) Preliminary Analysis of Morphometric Variation in the Human Auditory Ossicles. Paper presented at the Second Annual NYCC Research Symposium, February 27, 1999. Walker, R.A. and C.O. Lovejoy (1999) A survey of remodeling in the vertebrate skeleton, part II. Paper presented at the 68th Annual Meeting of the American Association of Physical Anthropologists, Columbus, Ohio, April 29, 1999. (Abstract published in *American Journal of Physical Anthropology*, Supplement 28: 272 [1999]).
- Greiner, T.M. and R.A. Walker (1999) Morphometric Variation of the Human Auditory Ossicles. Paper presented at the 68th Annual Meeting of the American Association of Physical Anthropologists, San Columbus, Ohio, April 29, 1999. (Abstract published in *American Journal of Physical Anthropology*, Supplement 28: 140 [1999]).
- Walker, R.A. (2000) Variation in properties of the cortex of the midshaft femur in three human populations. Paper presented at the Third Annual NYCC Research Symposium, February 17, 2000.

- Rosenman, B. and R.A. Walker (2000) Morphology of the Australopithecine Glenohumeral Joint. Paper presented at the 69th Annual Meeting of the American Association of Physical Anthropologists, San Antonio, Texas, April, 2000. (Abstract published in *American Journal of Physical Anthropology*, Supplement 30: 265 [2000].)
- Walker, R.A., N. Mitlansky and C.O. Lovejoy (2001) Remodeling in the vertebrate skeleton: Variation in percentage haversian bone. Paper presented at the Fourth Annual New York Chiropractic College Research Symposium, January 30, 2001.
- Walker, R.A., N. Mitlansky and C.O. Lovejoy (2001) A survey of remodeling in the vertebrate skeleton, part III. Variation in percentage haversian bone. Paper presented at the 2001 Annual Meeting of the American Association of Physical Anthropologists, Kansas City, Missouri, March 29, 2001. (Abstract published in *American Journal of Physical Anthropology*, Supplement 32: 158 [2001].)
- Walker, R.A., N. Mitlyansky (2003) Variation in remodeling about the perimeter of the midshaft human femur. Paper presented at the Fourth Annual New York Chiropractic College Research Symposium, February 5, 2003.
- Walker, R.A. and N. Mitlyansky (2003) Variation in remodeling about the perimeter of the midshaft human femur. Paper presented at the 2003 Annual Meeting of the American Association of Physical Anthropologists, Tempe, Arizona, April 26, 2003. (Abstract published in *American Journal of Physical Anthropology*, Supplement 36: 218 [2003].)
- Greco, D.S., J. Young, and R.A. Walker (2005) Cadaveric and Histological Evaluation of Hip Arthroplasty. Paper presented at the Sixth Annual New York Chiropractic College Research Symposium, January 27, 2005.
- Walker, R.A., T.M. Greiner, R. Cordes (2006) Histomorphological variation in human auditory ossicles. Paper presented at the Seventh Annual New York Chiropractic College Research Symposium, January 26, 2006.
- Walker, R.A., T.M. Greiner, R. Cordes (2006) Histomorphological variation in human auditory ossicles. Paper presented at the American Association of Physical Anthropologists Annual Meeting, Fairbanks, Alaska, March 10, 2006. (Abstract published in *American Journal of Physical Anthropology*, Supplement 42: 183-184 [2006].)
- Walker, R.A., C.O. Lovejoy, R. Cordes (2007) Histomorphological Variation in the Human Appendicular Skeleton. Paper presented at the Eighth Annual New York Chiropractic College Research Symposium, January 25, 2007.
- Walker, R.A., C.O. Lovejoy, R. Cordes (2007) Histomorphological Variation in the Human Appendicular Skeleton. Paper presented at the American Association of Physical Anthropologists Annual Meeting, Philadelphia, PA, March 29, 2007. (Abstract published in *American Journal of Physical Anthropology*, Supplement 44: 241-242 [2007].)
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- Walker, R.A., C.O. Lovejoy, R. Cordes (2008) Remodeling variation in human skeletal elements. Paper presented at the Ninth Annual New York Chiropractic College Research Symposium, January 24, 2008.
- Walker, R.A., C.O. Lovejoy, R. Cordes (2008) Remodeling variation in human skeletal elements. Paper presented at the American Association of Physical Anthropologists Annual Meeting, Columbus, Ohio, April 11, 2008. (Abstract published in *American Journal of Physical Anthropology*, Supplement 46: 216 [2008].)
- Walker, R.A., C.O. Lovejoy, R. Cordes (2009) Histomorphological Variation in the Appendicular Skeleton Paper presented at the Tenth Annual New York Chiropractic College Research Symposium, January 29, 2009.
- Dooley, K., M. Zumpano, R.A. Walker, I. Arar (2010) In Situ Measurements of the Suprascapular Nerve. Paper presented at the Eleventh Annual New York Chiropractic College Research Symposium, January 28, 2010.
- Walker, R.A. (2010) Remodeling variation in the human appendicular skeleton. Paper presented at the Eleventh Annual New York Chiropractic College Research Symposium, January 26, 2010.
- Walker, R.A. (2010) Remodeling variation in the human appendicular skeleton. Paper presented at the American Association of Physical Anthropologists Annual Meeting, Albuquerque, New Mexico, April 17, 2010. (Abstract published in *American Journal of Physical Anthropology*, Supplement 50: 237 [2010].)
- Walker, R.A. ((2011) Intraindividual histomorphological and geometric variation in the human femur: a pilot study. Paper presented at the Twelfth Annual New York Chiropractic College Research Symposium, January 25, 2011.
- Walker, R.A. (2011) Intraindividual histomorphological and geometric variation in the human femur: a pilot study. Paper presented at the 80th Annual Meeting of the American Association of Physical Anthropologists, Minneapolis, Minnesota, April 16, 2011. (Abstract published in *American Journal of Physical Anthropology*, Supplement 52: 302-303 [2011].)
- Walker, R.A. ((2012) Calcification of Osteons in a Sample of Twentieth Century Americans. Paper presented at the Thirteenth Annual New York Chiropractic College Research Symposium, January 26, 2012.
- Walker, R.A. (2012) Calcification of Osteons in a Sample of Twentieth Century Americans. Paper presented at the 81st Annual Meeting of the American Association of Physical Anthropologists, Portland, Oregon, April 13, 2012. (Abstract published in *American Journal of Physical Anthropology*, Supplement 54: 296 [2012].)
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- Walker, R.A. and Cutler, H.E. (2013) Covariation of haversian structure density and bone resorption in human bone. Paper presented at the Fourteenth Annual New York Chiropractic College Research Symposium, January 31, 2013.
- Walker, R.A. and Cutler, H.E. (2013) Covariation of haversian structure density and bone resorption in human bone. Paper presented at the 82nd Annual Meeting of the American Association of Physical Anthropologists, Knoxville, Tennessee, April 13, 2013. (Abstract published in American Journal of Physical Anthropology, Supplement 56: 282 [2013].)
- Walker, R.A. and Wood, J. (2014) Variation in Geometrical Form of the Midshaft Femur in Ancient and Modern Groups. Paper presented at the Fifteenth Annual New York Chiropractic College Research Symposium, January 25, 2014.
- Walker, R.A., Herbert, P., and Hussion, G. (2014) Bilateral cortical bone remodeling in the human appendicular skeleton. Paper presented at the Fifteenth Annual New York Chiropractic College Research Symposium, January 25, 2014.
- Walker, R.A., Herbert, P., and Hussion, G. (2014) Bilateral cortical bone remodeling in the human appendicular skeleton. Paper presented at the 83rd Annual Meeting of the American Association of Physical Anthropologists, Calgary, Alberta, Canada, April 11, 2014. (Abstract published in American Journal of Physical Anthropology, Supplement 57: 264 [2014].)
- Walker, R.A., and Mennitto, K. (2015) Variation in Osseous Histological Features in a Sample of Early Twentieth Century Americans. Presented at the Sixteenth Annual New York Chiropractic College Research Symposium, January 27, 2015.)
- Walker, R.A., and Mennitto, K. (2015) Variation in Osseous Histological Features in a Sample of Early Twentieth Century Americans. Presented at the 84th Annual Meeting of the American Association of Physical Anthropologists, St. Louis, Missouri, March 28, 2015. (Abstract published in American Journal of Physical Anthropology, Supplement 60: 316-17 [2015].)
- Walker, R.A., K. Simonian, K. Menitto, and A. Azie (2016) Bilateral cortical bone mass and distribution in the human appendicular skeleton. Presented at the 85th Annual Meeting of the American Association of Physical Anthropologists, Atlanta, Georgia, April 14, 2016. (Abstract published in American Journal of Physical Anthropology, Supplement 62: 326 [2016].)
- Walker, R.A., K. Simonian, K. Menitto, and A. Azie (2016) Bilateral cortical bone mass and distribution in the human appendicular skeleton. Presented at the 17th Annual New York Chiropractic College Research Symposium, May 17, 2016.

Walker, R.A. (2017) Assessments of human cortical bone dynamics and skeletal age at death from femoral cortical bone dynamics and histomorphology. Presented at the 85th Annual Meeting of the American Association of Physical Anthropologists, New Orleans, Louisiana, April 21, 2017. (Abstract published in *American Journal of Physical Anthropology*, Supplement S64:400 [2017].)

Walker, R.A. (2017) Assessments of human cortical bone dynamics and skeletal age at death from femoral cortical bone dynamics and histomorphology. Presented at the 18th Annual New York Chiropractic College Research Symposium, May, 2017.

INVITED PRESENTED PAPER:

Walker, R.A. and T.M. Greiner (2000) Bone Histomorphometric Correlates of Biomechanics, Limb Use Patterns, and Bone Function. Invited paper presented at the 2000 Annual Meeting of the American Association of Physical Anthropologists as a part of the “Current and Future Applications of Bone Histology to Biological Anthropology” symposium. (Abstract published in *American Journal of Physical Anthropology*, Supplement 30: 313 [2000].)

INVITED LECTURES (no published abstracts):

Human femoral anatomy and bipedal locomotion. Los Angeles College of Chiropractic, Los Angeles, California, July 11, 1991.

Geographic and biological variation in the cross-sectional properties of human bone. Department of Cell, Molecular, and Structural Biology, Northwestern University Medical School, Chicago, Illinois, November 20, 1991.

Variation in cortical thickness and histomorphology of the human femur. Research Department Presentation, New York Chiropractic College, May 20, 1997.

Human cortical bone: Variations in populations and age groups in cross sectional morphology and histomorphology. Keuka College, Keuka Park, New York, November 30, 2001.

The Role of the Field Supervisor during the 1987-1988 ANSUR Survey of U.S. Army Personnel. U.S. Army Natick Soldier Research, Development, and Engineering Center, Natick, Massachusetts, April 1, 2010.

COMMUNITY SERVICE PRESENTATIONS:

Gross anatomy presentation to North Seneca Emergency Medical Technicians, New York Chiropractic College, June 21, 1995.

Gross anatomy presentation to North Seneca Emergency Medical Technicians, New York Chiropractic College, July 19, 1995.

Gross anatomy presentation to Hobart and William Smith Colleges kinesiology students, New York Chiropractic College, February 1, 1996.

Gross anatomy presentation to Finger Lakes School of Massage students, New York Chiropractic College, Spring, 1996.

Applied Osteology in Biological Anthropological Research, Public Presentation, New York Chiropractic College, June 14, 1996.

Gross anatomy presentation to Finger Lakes School of Massage students, New York Chiropractic College, July 26, 1996.

Gross anatomy presentation to Hobart and William Smith Colleges kinesiology students, New York Chiropractic College, November 22, 1996.

Participant, Faculty Development Seminar: "Effective Teaching: A Panel Discussion by the 1996 Nominees for Faculty of the Year." January 28, 1997, New York Chiropractic College.

Gross anatomy presentation to Finger Lakes School of Massage students, New York Chiropractic College, March 14, 1997.

Gross anatomy presentation to Finger Lakes School of Massage students, New York Chiropractic College, March 21, 1997.

Gross anatomy presentation for Bodyworks Massage, 115 North Main Street, North Syracuse, New York, August 15, 1997.

Gross anatomy presentation to Finger Lakes School of Massage students, New York Chiropractic College, September 12, 1997.

Gross anatomy presentations to Keuka College Occupational Therapy Students, New York Chiropractic College, October 21, 22, 1997.

Gross anatomy presentation to Hobart and William Smith Colleges kinesiology students, New York Chiropractic College, October 24, 1997.

Gross anatomy presentation to Finger Lakes School of Massage students, New York Chiropractic College, February 27, 1998.

Gross anatomy presentations to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, April 9 and 16, 1998.

Gross anatomy presentation to Finger Lakes School of Massage students, New York Chiropractic College, September 11, 1998.

- Gross anatomy presentations to Keuka College Occupational Therapy Students, New York Chiropractic College, October 27, 28, 1998.
- Gross anatomy presentations to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, March 1, 11 and 22, 1999.
- Gross anatomy presentations to Keuka College Occupational Therapy Students, New York Chiropractic College, October 19, 20, 1999.
- Gross anatomy presentation to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, November 5, 1999.
- Gross anatomy presentation to Hobart and William Smith Colleges kinesiology students, New York Chiropractic College, November 9, 1999.
- Gross anatomy presentation to Wells College students, New York Chiropractic College, January 24, 2000.
- Gross anatomy presentation to Finger Lakes School of Massage students, New York Chiropractic College, February 11, 2000.
- Gross anatomy presentation to Finger Lakes School of Massage students, New York Chiropractic College, February 25, 2000.
- Gross anatomy presentations to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, February 28, March 9, March 20, 2000.
- With Chris Sheldon: *Committee on Faculty Promotions and the Promotion Process*. Faculty Development Seminar presented to the NYCC Faculty. June 20, 2000.
- Gross anatomy presentations to Keuka College Occupational Therapy Students, New York Chiropractic College, October 23, 24, 2000.
- Gross anatomy presentation to the Perinton, New York Concert Band, New York Chiropractic College, December 8, 2000.
- With N. Vijayashankar: Gross anatomy presentations to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, January 29, 2001.
- Gross anatomy presentations to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, February 26 and March 1, 2001.
- Gross anatomy presentation to Nazareth College Premed Students, New York Chiropractic College, March 4, 2001.

- Gross anatomy presentation to New Visions High School Students, New York Chiropractic College, May 23, 2001.
- Gross anatomy presentations to Keuka College Occupational Therapy Students, New York Chiropractic College, October 23, 24, 2001.
- Gross anatomy presentation to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, November 26, 2001.
- Gross anatomy presentation to Nazareth College Premed Students, New York Chiropractic College, February 9, 2002.
- Gross anatomy presentation to Mexico Academy, Mexico, New York, High School students, New York Chiropractic College, February 9, 2002.
- Gross anatomy presentation to Nurse's Aide students, Mexico Academy, Mexico, New York, New York Chiropractic College, March 15, 2002.
- Gross anatomy presentation to New Visions High School Students, New York Chiropractic College, May 29, 2002.
- Gross anatomy presentations to Keuka College Occupational Therapy Students, New York Chiropractic College, October 23, 2002.
- Gross anatomy presentation to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, November 25, 2002.
- Gross anatomy presentations to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, February 20 and 24, 2003.
- Gross anatomy presentations to Keuka College Occupational Therapy Students, New York Chiropractic College, April 1, 2003.
- Gross anatomy presentation to Onandago School of Massage Students, New York Chiropractic College, May 3, 2003.
- Gross anatomy presentation to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, November 19, 2003.
- Gross anatomy presentations to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, February 23 and 26, 2004.
- Gross anatomy presentations to Keuka College Occupational Therapy Students, New York Chiropractic College, March 23, 2004.

- Gross anatomy presentation to Perinton Concert Band, New York Chiropractic College, April 2, 2004.
- Gross anatomy presentation to SUNY Oswego Anatomy and Physiology Students, New York Chiropractic College, May 11, 2004.
- Gross anatomy presentation to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, February 21, 2005.
- Gross anatomy presentation to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, February 24, 2005.
- “Bring Your Kids to Work” tour of anatomy with presentation. New York Chiropractic College, April 21, 2005.
- Gross anatomy presentations to Keuka College Occupational Therapy Students, New York Chiropractic College, April, 2005.
- Gross anatomy presentation to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, November 21, 2005.
- Gross anatomy presentation to South Seneca High School biology students, New York Chiropractic College, December 13, 2005.
- Gross anatomy presentations to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, February 20 and 23, 2006.
- Gross anatomy presentations to Keuka College Occupational Therapy Students, New York Chiropractic College, April 10, 2006.
- Gross anatomy presentation to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, November 20, 2006.
- Gross anatomy presentation to South Seneca High School biology students, New York Chiropractic College, December 14, 2006.
- Gross anatomy presentation to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, February 19 and 21, 2007.
- Gross anatomy presentations to Keuka College Occupational Therapy Students, New York Chiropractic College, April 4, 2007.
- Gross anatomy presentation to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, February 18 and 21, 2008.

Gross anatomy presentations to Keuka College Occupational Therapy Students, New York Chiropractic College, April 2, 2008.

Gross anatomy presentation to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, February 16 and 19, 2009.

Gross anatomy presentations to Keuka College Occupational Therapy Students, New York Chiropractic College, March 31, 2009.

“Bring Your Kids to Work” tour of anatomy with presentation. New York Chiropractic College, April 23, 2009.

Gross anatomy presentations to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, February 15 and 18, 2010.

Gross anatomy presentations to Keuka College Occupational Therapy Students, New York Chiropractic College, March 30, 2010.

Gross anatomy presentation to BOCES students. New York Chiropractic College, March 25, 2010.

Gross anatomy presentation to Wayne Finger Lakes BOCES students. New York Chiropractic College, July 8, 2010.

Gross anatomy presentation to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, February 14 and 17, 2011.

Gross anatomy presentation to Genesee Valley BOCES nursing students. New York Chiropractic College, March 17, 2011.

Oversee Gross Anatomy Laboratory for Keuka College Occupational Therapy Students, New York Chiropractic College, March 10, 17, and April 12, 2011.

“Bring Your Kids to Work” tour of anatomy with presentation. New York Chiropractic College, April 28, 2011.

Gross anatomy presentation to Genesee Valley BOCES nursing students. New York Chiropractic College, June 30, 2011.

Gross anatomy presentation to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, February 27 and March 1, 2012.

Gross anatomy presentation to New Vision students from Oswego and Cayuga Community Colleges. New York Chiropractic College, March 1, 2012.

Oversee Gross Anatomy Laboratory for Keuka College Occupational Therapy Students, New York Chiropractic College, March 8, 15, and 22, 2012.

Gross anatomy presentation to New Vision students from Wayne Finger Lakes BOCES. New York Chiropractic College, June 7, 2012.

Gross anatomy presentations to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, November 1, 2012.

Gross anatomy presentations to Finger Lakes Community College EMT Training Program, New York Chiropractic College, December 2, 2012.

Gross anatomy presentation to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, February 26 and 28, 2013.

Oversee Gross Anatomy Laboratory for Keuka College Occupational Therapy Students, New York Chiropractic College, March 21, 28, and April 4, 2013.

Gross anatomy presentation to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, March 4 and 6, 2014.

Oversee Gross Anatomy Laboratory for Keuka College Occupational Therapy Students, New York Chiropractic College, March 20, and April 3, 2014.

Gross anatomy presentation to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, March 5, 2015.

“Bring Your Kids to Work” tour of anatomy with presentation. New York Chiropractic College, April 23, 2015.

Gross anatomy presentation to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, March 5, 2015.

FLREMSC-NYCC Virtual Anatomy Laboratory presentation for the 2016 Conference. February 27, 2016. Teleconference anatomy presentation from the NYCC Anaotmy laboratory.

Gross anatomy presentation to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, May 12, 2016.

FLREMSC-NYCC Virtual Anatomy Laboratory presentation for the 2017 Conference. February 25, 2017. Teleconference anatomy presentation from the NYCC Anaotmy laboratory.

Gross anatomy presentation to Finger Lakes Community College Paramedic Training Program, New York Chiropractic College, April 10, 2017.

OTHER COMMUNITY SERVICE ACTIVITIES:

Local High School Student Intern:

Crystal Straight, Romulus Central School Senior Project, November 17, 1998.

Local College Student Interns:

Bart Hayes, Keuka College. Intern for week of January 25, 1999. Students shadowed me for a week to observe teaching and counseling of students.

Christian Gutierrez, Keuka College. Intern for month of January, 2004. Student worked in the gross anatomy lab, observing laboratory sessions with the students in the D.C. program, and assisting the laboratory technician, Carl Jagos, with his work.

COLLEGE COMMUNITY SERVICE AND FACULTY DEVELOPMENT:

Conduct interviews with prospective New York Chiropractic College Students, Spring, 1992 to present.

Member, Faculty Committee on Appointments and Promotions, New York Chiropractic College, Fall, 1992 to March, 1994.

Academic Advisor for Probationary Students, from Spring, 1993.

Member, Faculty Advisory/Peer Review Committee, New York Chiropractic College, Spring, 1993 to March, 1994.

Member, College Committee on Academic Standing, New York Chiropractic College, September, 1993 to April, 2001.

Faculty Advisor, *The Impulse*, New York Chiropractic College Student Newspaper, from February, 1994 to April, 1999.

Member, Presidential Communications/Accountability Concerns Fact-Finding Ad Hoc Committee, February, 1994 to April, 1994.

Cochair, Presidential Communications/Accountability Concerns Fact-Finding Ad Hoc Committee, February, 1994 to April, 1994.

Member, Academic Standards Committee, New York Chiropractic College, March, 1994 to August, 1994.

Chair, Academic Standards Committee, New York Chiropractic College, April, 1994 to August, 1994.

Member, Academic Freedom Committee, New York Chiropractic College, March, 1994 to February, 1996.

Chair, Academic Freedom Committee, New York Chiropractic College, April, 1994 to February, 1996.

Member, Personnel Selection Advisory Committee, New York Chiropractic College, March, 1994 to February, 1996.

Chair, Personnel Selection Advisory Committee, New York Chiropractic College, November, 1994 to February, 1996.

Member, Library Committee, New York Chiropractic College, March, 1994 to June, 1995.

Member, Faculty Development Committee, New York Chiropractic College, March, 1994 to August, 1994.

Member, College Curriculum Committee, New York Chiropractic College, from September, 1994 to October, 1997.

Member, Steering Committee on Communications and Technology, New York Chiropractic College, September to November, 1994.

Coordinator of Anatomy, New York Chiropractic College, Seneca Falls, New York, from September 26, 1994 to October 31, 1996.

Member, Informational Technology Committee, New York Chiropractic College, from November, 1994. Committee ceased to meet by 1998.

Chair, Search Committee for Director of Preclinical Studies, November, 1994 to February, 1995.

Chair, Search Committee for Anatomy Faculty Member, November, 1994 to June, 1995.

Member, Search Committee for Director of Research, March, 1995 to June, 1995.

Member, Clinical Sciences Faculty Ad Hoc Search Committee, November, 1995 to June, 1996.

Chair, Clinical Sciences Faculty Ad Hoc Search Committee, November, 1995 to March, 1996.

Member, Student Clinics Faculty Ad Hoc Search Committee, November, 1995 to June, 1996.

Member, Physiopathology Faculty Ad Hoc Search Committee, November, 1995 to June, 1996.

Faculty Advisor for the Class of April, 1999, from January, 1996 to April, 1999.

Member, College Awards Committee, February, 1996 to December, 2001.

Member, College Honorary Degrees Committee, February, 1996.

Vice President, Faculty Senate, February, 1996 to August, 1997.

Faculty Senate Liaison to Computer Services, February, 1996 to August, 1997.

Member, Faculty Promotions and Personnel Selection Advisory Committee, New York
Chiropractic College, February to March, 1996.

Cochair, Faculty Promotions and Personnel Selection Advisory Committee, New York
Chiropractic College, February to March, 1996.

Member, Faculty Senate Academic Affairs Committee, New York Chiropractic College, February
to March, 1996.

Member, Core Curriculum and Elective Tract Identification Project, Clusters 2, 5, and 12 (general
anatomical studies; chiropractic manual and functional spinal diagnosis; nature of
subluxation and its ramifications). March to August, 1996.

Member, Interview Committee for Enrollment Manager for Admissions, New York Chiropractic
College, June, 1996.

Member, Peer Evaluation Triads for Professor Sue Firkins, Dr. Julie Plezbert, and Dr. Veronica
Sciotti, Summer, 1996.

Member, Curriculum Revision Focus Group of the Curriculum Committee, New York
Chiropractic College, Seneca Falls, New York, from September 9, 1996 to June, 1997.

Head, Department of Anatomy, New York Chiropractic College, from January 1, 1998 to August
31, 2003 (Acting Head, from November 1, 1996 to December 31, 1997). Department of
Anatomy and Department of Physiopathology combined into the Department of Basic
Sciences as of September 1, 2003.

Presenter, "Future NYCC Curriculum Models." Presentation to New York Chiropractic College
Board of Trustees, New York Chiropractic College, October 11, 1996.

Member, Search Committee for Executive Dean of Academic Affairs, from October, 1996 to
December 11, 1997.

Member, Committee to Formulate Outcomes Assessment Examination One, from October,
1996.

Presenter, Faculty of the Year Award, 1996. New York Chiropractic College Awards Dinner-Dance, White Plains, New York, November 16, 1996.

Participant, Academic Software Consortium's Chiropractic Curriculum Analysis Tools Workshop, School of Dental Medicine, University at Buffalo, State University of New York, November 23, 1996.

Member, Registration Committee, January, 1997.

Member, Orientation Committee, January, 1997.

Participant, Faculty Development Seminar: "Effective Teaching: A Panel Discussion by the 1996 Nominees for Faculty of the Year." January 28, 1997, New York Chiropractic College.

Faculty Advisor, Student Bicycling Club, February, 1997.

Delivered Faculty Senate Presidential Report to the New York Chiropractic College Board of Trustees Meeting, Boca Raton, Florida, February 28 to March 2, 1997.

Faculty Advocate for student Karen Rosenberg at Judicial Board hearings, New York Chiropractic College, March, 1997.

NYCC Faculty Representative to the World Federation of Chiropractic 1997 World Chiropractic Congress, Tokyo, Japan, June 6 to June 8, 1997.

Member, Ad Hoc Search Committee for Biomechanics Research Faculty Member, from June 19, 1997 to August 13, 1998.

Participant, Basic Science Education Forum: Strategies for Teaching Medical Sciences in the 21st Century: Third Biennial International Conference of the Basic Science Education Forum, Medical University of South Carolina, Charleston, South Carolina, June 21 to June 24, 1997.

Member, Curriculum Review and Revision Management Group, New York Chiropractic College, Seneca Falls, New York, from June, 1997.

Member, Foot Levelers Challenge Team Grant Committee, New York Chiropractic College, Seneca Falls, New York, from August, 1997 to December, 1997.

Director, Anatomical Gift Program, Department of Anatomy, New York Chiropractic College, Seneca Falls, New York, September 1, 1997 to August 31, 2009.

Participant, Critical Thinking Workshop, Geneva, New York, September 26-27, 1997.

Member, New York Chiropractic College Institutional Review Board, from October 9, 1997 to 2002.

Member, Outcomes Assessment Committee, from October, 1997.

Alternate Member, Admissions Review Committee, from January, 1998.

Member, Faculty Senate Academic Affairs Committee, February, 1998 to January, 1999.

NYCC Representative to the Anatomical Committee of the Associated Medical Schools of New York, from May, 1998 to August, 2009.

Chair, Poster Session: Skeletal Biology III. Annual Meeting of the American Association of Physical Anthropologists, Salt Lake City, Utah, April 3, 1998.

Member, Academic Affairs Office Space Utilization Committee, From May 28, 1998.

Panelist, NYCC Admissions Office Curriculum Workshop, May to June, 1998.

Member, Search Committee for Anatomy Faculty Member, June, 1998 to March, 1999.

Member, College Technical Standards Committee, from June, 1998.

Presenter and panelist, NYCC Curriculum Revision Project. Presentation to Jack Stern, M.D., Ph.D., and Jay Okin, D.C., New York Chiropractic College Board of Trustees, New York Chiropractic College, August 14, 1998.

Panelist, NYCC Curriculum Revision Project. Presentation to Academic Affairs Committee of the New York Chiropractic College Board of Trustees, New York Chiropractic College, October 9, 1998.

Presenter, Preclinical Sciences Service Award, December 1998 Graduation Awards Ceremony, New York Chiropractic College, December 5, 1998.

Member, Faculty Evaluation Task Force, May, 1999 to May 2002.

Member and Coorganizer, NYCC Formaldehyde and Biohazard Safety Committee, from June, 1999.

Presenter, Preclinical Sciences Service Award, August 1999 Graduation Awards Ceremony, New York Chiropractic College, July 31, 1999.

Chair, Anatomy Laboratory Technician Search Committee, July to September, 1999.

Member, Academic Policy Committee, from January 10, 2000.

Member, Faculty Senate Ad Hoc Committee on Faculty-Administration Issues, from January 11, 2000.

Member, Search Committee for Diagnosis Department Head, from April, 2001.

Member, Master's degree program in Acupuncture and Oriental Medicine (AOM) Curriculum Advisory Committee, from July, 2001.

Member, Search Committee for Dean of Academic Affairs, November 2, 2001 to March, 2002.

Presenter, Preclinical Sciences Service Award, April 2002 Graduation Awards Ceremony, New York Chiropractic College, April 6, 2002.

Member, Faculty Excellence Awards Committee, June, 2002 to June, 2004.

Member, Department Heads role in Faculty Evaluation Subcommittee, Faculty Evaluation Committee, from July, 2002 to July, 2004.

Head, Department of Basic Sciences, New York Chiropractic College, Seneca Falls, New York, from September 1, 2003 to August 31, 2006. (Acting head from February 7, 2003 to August 31, 2003.)

Participant, Conference on State and Federal Personnel Laws, Human Resources Council, Syracuse, New York, April 15, 2003.

Participant, American Association of Physical Anthropologists Career Development Committee Panel Discussion: Non-Traditional Careers, Tempe Arizona, April 23, 2003.

Member, NYCC Middle States Accreditation Self Study Committee, from May, 2003.

Participant, Communication Skills Seminar, Skillpath, Rochester, New York, March 4 and 5, 2004.

Presenter, Preclinical Sciences Service Award, July, 2004 Graduation Awards Ceremony, New York Chiropractic College, July 19, 2004.

Head, Basic Sciences Faculty Search Committee, from May, 2004 to December, 2004.

Chair, Master's degree program in Clinical Anatomy Development Advisory Committee, from May, 2004 to August, 2006.

Member, Council on Chiropractic Education Commission on Accreditation Academy of Site Team Visitors, from March 15, 2006.

Director of Clinical Anatomy, from February 12, 2009 to August 31, 2009 (Dean of the M.S. in Clinical Anatomy Program, from September 1, 2006 to February 11, 2009) New York Chiropractic College, Seneca Falls, New York.

Standing Invited Member, Curriculum Committee, New York Chiropractic College, from January 1, 2007 to August 31, 2009.

Chair, MSCA Fellow Search Committee, New York Chiropractic College, 2008.

Member, Anatomy Faculty Search Committee, Department of Basic Sciences, New York Chiropractic College, Fall, 2008.

Chair, MSCA Fellow Search Committee, New York Chiropractic College, 2009.

Member, College Research Committee, New York Chiropractic College, from March, 2009.

Member, Anatomy Leadership Team, Department of Basic Sciences, New York Chiropractic College, from May, 2009, renewed May, 2011.

Member, College Technical Standards Committee, New York Chiropractic College, from January, 2010.

Member, Committee on Faculty Appointments and Promotions, New York Chiropractic College, from September 1, 2010 to August 31, 2015.

Chair, Committee on Faculty Appointments and Promotions, New York Chiropractic College, from September 1, 2011 to August 31, 2014.

Member, Academic Standing Committee, New York Chiropractic College, from September 1, 2010 to August 31, 2014.

Member, Faculty Senate Academic Affairs Committee, New York Chiropractic College, from January, 2011 to April 2015.

Member, Academic Advising Team, New York Chiropractic College, from January, 2011.

Member, MSCA Fellow Search Committee, New York Chiropractic College, from March, 2011.

Greeter from Basic Sciences, Transitions Ceremony, New York Chiropractic College, April, 2011.

Member, Joint Faculty Handbook / CFAP Portfolio Task Force, from April, 2011.

Speaker: Explanation of NYCC Seal, Transitions Ceremony, New York Chiropractic College, March 29, 2012.

Member, D Grade Proposal Committee, from January, 2014.

Co-chair, Committee on Faculty, Council on Chiropractic Education Accreditation Self-Study Task Force, from September, 2013.

Member, Working Group V - MSCHE Standard 10: Faculty, from September, 2013.

Member, Full Professors Working Group, New York Chiropractic College, from March, 2014.

Member, Part One Board Challenge Examination Task Force, New York Chiropractic College, from November, 2016.

Speaker: Explanation of NYCC Seal, Transitions Ceremony, New York Chiropractic College, March 31, 2016.

Chair, Poster Session: Session 12. Skeletal Biology: Growth, Development and Variation. Annual Meeting of the American Association of Physical Anthropologists, Atlanta, Georgia, April 14, 2016.

Member, Faculty Handbook Committee, from September 1, 2016.

Member, MSCA Fellow Search Committee, from January, 2017.

Member, Search Committee for Permanent Anatomy Faculty Member, from January, 2017.

REFERENCES

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