

RICHARD JAMES SHERWOOD

Director, Division of Morphological Sciences and Biostatistics

Department of Community Health, Boonshoft School of Medicine, Wright State University
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EDUCATION

- 1995 Kent State University, Kent, Ohio, Ph.D. Biomedical Sciences
- 1986 Kent State University, Kent, Ohio, M.A. Anthropology
- 1983 University of California, Berkeley, B.A. Anthropology

EMPLOYMENT HISTORY

Current

- 2010-present Professor, Lifespan Health Research Center, Department of Community Health. Wright State University Boonshoft School of Medicine (Primary appointment)
- 2010-present Professor, Department of Pediatrics. Wright State University Boonshoft School of Medicine (Secondary appointment)
- 2011-present Director, Division of Morphological Sciences and Biostatistics, Lifespan Health Research Center, Department of Community Health. Wright State University Boonshoft School of Medicine

Adjunct

- 2011-present Adjunct Professor, Department of Orthodontics, School of Dental Medicine, Case Western Reserve University.

Previous

- 2008-2011 Director, Lifespan Health Research Center, Department of Community Health. Wright State University Boonshoft School of Medicine
- 2005-2010 Associate Professor, Lifespan Health Research Center, Department of Community Health. Wright State University Boonshoft School of Medicine (Primary appointment)
- 2008-2010 Associate Professor, Department of Pediatrics. Wright State University Boonshoft School of Medicine (Secondary appointment)
- 2005-2008 Associate Professor, Department of Neuroscience, Cell Biology, and Physiology. Wright State University Boonshoft School of Medicine (Secondary appointment)
- 2004-2005 Adjunct Associate Professor of Community Health, Lifespan Health Research Center, Department of Community Health, Wright State University School of Medicine

- 2003-2004 Visiting Scientist, Lifespan Health Research Center, Department of Community Health, School of Medicine, Wright State University
- 1998-2005 Assistant Professor, Department of Anthropology, African Studies Program, University of Wisconsin, Madison
- 1997-1998 Visiting Assistant Professor, Department of Anthropology, University of Wisconsin, Madison
- 1995-1997 Research Associate, Department of Anthropology, The Pennsylvania State University Supervisor: Alan Walker
- 1995-1996 Postdoctoral Fellow, Department of Anthropology, Yale University Supervisor: Andrew Hill
- 1994-1995 Visiting Assistant Professor, Department of Anthropology, Yale University
- 1992-1995 Teaching assistant, Department of Anatomy, Northeastern Ohio Universities College of Medicine
- 1992 Lecturer, Department of Anthropology, Cleveland State University
- 1990-1992 Teaching Fellow, Lecturer, Department of Anthropology, Kent State University
- 1989 Lecturer, Department of Anthropology, Youngstown State University
- 1988 Teaching assistant, Department of Anatomy, Northeastern Ohio Universities College of Medicine

GRANTS AND AWARDS

Current

- 2011 - present R03 DE021435 National Institute of Craniofacial and Dental Research (NIH). R.W. Nahhas, P.I., **R.J. Sherwood**, Co-I. *Longitudinal Modeling of Craniofacial Growth Trajectories*.
- 2011 - present American Association of Orthodontists Foundation. J.A. McNamara, S. Baumrind, T.E. Southard, D.A. Covell, **R.J. Sherwood**, G.F. Currier, M.G. Hans, B.D. Thompson. *The AAOF Craniofacial Growth Legacy Collection*.
- 2011 - present Wright State University, Dept. of Community Health. D.L. Duren (P.I.), **R.J. Sherwood**, Co-I. *Long-term Musculoskeletal Functional Health Outcomes Following Bariatric Surgery*.
- 2010 - present R01 HD056247 National Institute of Child Health and Development (NIH). D.L. Duren (P.I.), **R.J. Sherwood**, R.M. Siervogel, B. Towne, co-I. *Genetic, Somatic, and Maturation Influences on Pediatric Skeletal Health*.
- 2009 - present R01 DE018497 National Institute of Dental and Craniofacial Research (NIH). **R.J. Sherwood**, P.I., D.L. Duren, J. Subedi, B. Towne, S. Williams-J. Blangero VandeBerg co-I. *Genetic Architecture of the Dentognathic Complex*.

- 2009 - present R01 AR055927 National Institute of Arthritis and Musculoskeletal and Skin Diseases/National Institute of Childhood Health and Development. National Institutes of Health. Wm.C. Chumlea, P.I., D.L. Duren, co-PI, **R.J. Sherwood**, R. Nahhas, co-I. *Updating Skeletal Maturity Methods for US Children.*
- Completed**
- 2010 - 2011 Wright State University, Dept. of Pediatrics. M. Lee (P.I.), J. Ebert, S.A. Czerwinski, **R.J. Sherwood**, co-I. *Adiposity and Ectopic Fat Depots in Relation to Cardiometabolic Risk in Pubertal Children.*
- 2007 - 2011 R01 HD12252 National Institute of Childhood Health and Development (NIH). R.M. Siervogel, S.A. Czerwinski, co-PI, Wm.C. Chumlea, A. Choh, D.L. Duren, M. Lee, R. Nahhas, **R.J. Sherwood**, B. Towne, co-I. *Adiposity, Disease Risk Factors, and Lifetime Health.*
- 2008 - 2010 American Association of Orthodontists Foundation. L.A. Will, J.A. McNamara, S. Baumrind, T.E. Southard, D.A. Covell, C. Evans, **R.J. Sherwood**, G.F. Currier, M.G. Hans, B.D. Tompson, E. Richardson. *The AAOF Craniofacial Growth Legacy Collection: Pilot and Planning Application.*
- 2009-2010 Wright State University, Research Challenge/Major Collaboration Grant Program. **R.J. Sherwood**, P.I., R.M. Siervogel, Wm.C. Chumlea, B. Towne, S.A. Czerwinski, D.L. Duren, M. Lee, A. Choh, R. Nahhas, J. Parker, C. Kirbas, co-I. *MRI Imaging of the Human Body.*
- 2008-2010 Wright State University, Early Start/Augmentation Grant. D.L. Duren, P.I., **R.J. Sherwood**, B. Towne, co-I. *Healthy joints: Genetic and Environmental Influences.*
- 2005 - 2009 R01 DE016692 National Institute of Dental and Craniofacial Research (NIH). **R.J. Sherwood**, P.I., D.L. Duren, B. Towne, R. Siervogel co-I. *Genetic Architecture of the Human Craniofacial Complex.*
- 2005 - 2008 R21 DE016408 National Institute of Dental and Craniofacial Research (NIH). **R.J. Sherwood**, P.I., D.L. Duren, M.C. Mahaney, B. Towne co-I. *Genetic Architecture of the Baboon Craniofacial Complex.*
- 2004-2006 Southwest National Primate Research Center Pilot Study Program (NIH P51 RR13986 to the Southwest National Primate Research Center). **R.J. Sherwood**, P.I., D.L. Duren, M.C. Mahaney, B. Towne co-I. *Genetic Influences on Craniofacial Growth in the Baboon.*
- 2003-2004 Graduate School, U. Wisconsin. **R.J. Sherwood**, P.I. *Origin of the Genus Homo.*
- 2002-2003 Graduate School, U. Wisconsin. **R.J. Sherwood**, P.I. *Survey of the Mbeya District, Tanzania.*
- 2001-2002 National Geographic Society. **R.J. Sherwood**, P.I. J.D. Kingston, Co-P.I.

Paleontological Survey of the Lake Rukwa Basin, Tanzania. #6977-01.

- 2001-2002 Graduate School, U. Wisconsin. **R.J. Sherwood**, P.I. *Biogeographic Diversity of Early Hominins.*
- 2000-2002 National Science Foundation. **R.J. Sherwood**, P.I., J.D. Kingston, Co-P.I. *Paleontological Survey of the Lake Rukwa Basin, Tanzania.* BCS-0080804.
- 2000-2002 Cleveland Museum of Natural History. **R.J. Sherwood**, P.I. *Archiving and Database Management of CMNH Radiographic Collection.*
- 2000-2001 Graduate School, U. Wisconsin. **R.J. Sherwood**, P.I. *Paleontological Survey of the Lake Rukwa Basin, Tanzania.*
- 1999-2000 Graduate School, U. Wisconsin. **R.J. Sherwood**, P.I. *Comparative Basicranial Anatomy of Hominoids with Implications for Human Evolution.*
- 1993-1994 The L.S.B. Leakey Foundation. **R.J. Sherwood**, P.I. *Internal Morphology of the Temporal Bone of Hominoids.* B-3103.
- 1992-1993 National Science Foundation, Dissertation Improvement Grant, Anthropology Program. S. Ward P.I., **R.J. Sherwood** co-P.I., *The Hominid Temporal Bone: Ontogeny and Phylogenetic Implications.* DBS-9208364.
- 1992-1993 University Fellowship, Kent State University.
- 1992 Summer Dissertation Fellowship, Kent State University.

Pending

- Submitted National Institute of Arthritis, Musculoskeletal and Skin Diseases; National Institute of Aging, National Institute of Dental and Craniofacial Research (NIH). D.L. Duren, P.I., **R.J. Sherwood**, B. Towne, S. Williams-Blangero co-I. *Genetic and Environmental Influences on Osteoarthritis Endophenotypes.*

FIELD WORK

AFRICA:

- 2001-2003 Rukwa Paleontological Research Project. Survey of the Lake Rukwa Basin, Tanzania. Project director: **Richard J. Sherwood.**
- 1988-2004 Baringo Paleontological Research Project. Excavation and survey of the Baringo Basin, Kenya. Project director: Andrew Hill.

ASIA:

- 2005-Present Jiri Dental Study. Genetic epidemiology of dentition of Jirel population, central Nepal. Project Director: **Richard J. Sherwood.**
- 2005-Present Jiri Osteoarthritis Study. Genetic epidemiology of osteoarthritis and joint health of Jirel population, central Nepal. Project Director: Dana L. Duren.
- 1988 Potwar Plateau Project. Excavation and survey of the Chinji region, Pakistan. Project director: David Pilbeam.

NORTH AMERICA:

1983-1984 Flowerdew Hundred Plantation. Prince George County, Virginia. Excavator and Camp manager. Project director: James Deetz.

EDITORSHIPS

In Prep *Growth of a Species, an Association, a Science: 80 Years of Growth and Development Research*. Special issue for the American Journal of Physical Anthropology. Guest editors: **R.J. Sherwood**, D.L. Duren

PUBLICATIONS

Submitted **R.J. Sherwood**, and D.L. Duren. Growth of a Species, an Association, a Science: 80 Years of Growth and Development Research. *Submitted to Am J Phys Anthropol*.

Submitted Nahhas, R.W., **R.J. Sherwood**, Wm.C. Chumlea, B. Towne, D.L. Duren. Skeletal age conditional reference values and predicting the timing of maturational spurts. Submitted to *Am J Phys Anthropol*.

Submitted Nahhas, R.W., **R.J. Sherwood**, Using multilevel polynomial models to estimate individual variability in the timing and magnitude of peak growth velocity in longitudinal studies of facial dimensions. Submitted to *J Dent Res*.

In Press Iossi, M.F., E.K. Konstantakos, D.D. Teel, II, **R.J. Sherwood**, R.T. Laughlin, M.J. Coffey, D.L. Duren. Musculoskeletal function following bariatric surgery. *Obesity*.

In Press Chumlea, Wm.C., R.W. Nahhas, **R.J. Sherwood**, D.L. Duren. The FELS method of skeletal maturity. Festschrift in honor of Robert Malina. Coimbra University Press. (accepted in March, expected launch date of October 2012 at the Pediatric Work Physiology Meeting).

In Press **Sherwood, R.J.**, D.L. Duren. The genetics of morphology. In *Companion to Paleoanthropology* (D. Begun, ed.). Wiley-Blackwell Publishing. Malden, MA. (to be released Sept. 2012).

In Press **Sherwood, R.J.** Variation, genetics, and evolution of the primate craniofacial complex. In *Genome Mapping and Genomics in Human and Non-Human Primates*. (R. Duggirala, A.G. Comuzzie, S. Williams-Blangero, C. Kole, eds.) Springer.

2012 Šešelj, M., R.W. Nahhas, **R.J. Sherwood**, Wm.C. Chumlea, B. Towne, D.L. Duren. The Influence of Age at Menarche on Cross-sectional Geometry of Bone in Young Adulthood. *Bone* **51**:38-45.

2012 Lee, M., A.C. Choh, K.D. Williams, V. Schroeder, T.D. Dyer, J. Blangero, S.A. Cole, Wm.C. Chumlea, D.L. Duren, **R.J. Sherwood**, R.M. Siervogel, B. Towne, S.A. Czerwinski. Genome-wide linkage scan for quantitative trait loci underlying normal variation in heel bone ultrasound measures. *J.Nutr.H.Ag.* **16**:8-13.

- 2011 Duren, D.L., J. Blangero, **R.J. Sherwood**, M. Šešelj, T. Dyer, S.A. Cole, M. Lee, A.C. Choh, Wm.C. Chumlea, R.M. Siervogel, S.A. Czerwinski, B. Towne. Cortical bone health shows significant linkage to chromosomes 2p, 3p, and 17q in 10-year-old children. *Bone* **49**:1213-1218.
- 2011 Lee, M., R.W. Nahhas, A.C. Choh, E.W. Demerath, D.L. Duren, Wm.C. Chumlea, **R.J. Sherwood**, B. Towne, R.M. Siervogel, S.A. Czerwinski. Longitudinal changes in calcaneal quantitative ultrasound measures during childhood. *Osteoporosis Int.* **22**(8):2295-2305.
- 2011 **Sherwood, R.J.**, K. McNulty. Dissecting the genetic architecture of craniofacial shape. In: *Biological Shape Analysis: Proceedings of the 1st International Symposium* (P.E. Lestrel, ed.). Singapore: World Scientific, Pp. 145-171.
- 2011 Choh, A.C., R.W. Nahhas, M. Lee, Y.S. Choi, Wm.C. Chumlea, D.L. Duren, **R.J. Sherwood**, B. Towne, R.M. Siervogel, E.W. Demerath, S.A. Czerwinski. Secular trends in blood pressure during adulthood: The Fels Longitudinal Study. *J. Hypertension* **29**(5):838-845.
- 2011 **Sherwood, R.J.**, D.L. Duren, M.C. Mahaney, J. Blangero, T.D. Dyer, S.A. Cole, S.A. Czerwinski, Wm.C. Chumlea, R.M. Siervogel, A.C. Choh, R.W. Nahhas, M. Lee, B. Towne. A genome-wide linkage scan for quantitative trait loci influencing the craniofacial complex in humans (*Homo sapiens sapiens*). *Anat.Rec.* 294:664-675.
- 2010 Nahhas, R.W., A.C. Choh, M. Lee, Wm.C. Chumlea, D.L. Duren, R.M. Siervogel, **R.J. Sherwood**, B. Towne, S.A. Czerwinski. Bayesian longitudinal plateau model of adult grip strength. *Am.J.Hum.Biol.* **22**:648-656.
- 2009 Lee, M., A.C. Choh, E.W. Demerath, K.L. Knutson, D.L. Duren, **R.J. Sherwood**, S.S. Sun, Wm.C. Chumlea, B. Towne, R.M. Siervogel, S.A. Czerwinski. Sleep disturbance in relation to health-related quality of life in adults: The Fels Longitudinal Study. *J.Nutr.H.Ag.* **13**:576-583.
- 2009 Chumlea, Wm.C., A.C. Choh, M. Lee, B. Towne, **R.J. Sherwood**, D.L. Duren, S.A. Czerwinski, R.M. Siervogel. The First seriatim study into old age for weight, stature and BMI: The Fels Longitudinal Study. *J.Nutr.H.Ag.* **13**:3-5.
- 2008 Towne, B., K.D. Williams, J. Blangero, S.A. Czerwinski, E.W. Demerath, R.W. Nahhas, T.D. Dyer, S.A. Cole, M. Lee, A.C. Choh, D.L. Duren, **R.J. Sherwood**, Wm.C. Chumlea, R.M. Siervogel. Presentation, heritability, and genome-wide linkage analysis of the mid-childhood growth spurt in healthy children from the Fels Longitudinal Study. *Hum.Biol.* **80**: 623-636.
- 2008 Chumlea, Wm.C., A.C. Choh, M. Lee, **R.J. Sherwood**, D.L. Duren, S. Czerwinski, B. Towne, R.M. Siervogel. The Fels Longitudinal Study 80 years. *J.Ch.Gr.Dev. (Japan)* **6**:174-177.
- 2008 Duren, D.L., **R.J. Sherwood**, S.A. Czerwinski, M. Lee, A.C. Choh, R.M. Siervogel, Wm.C. Chumlea. Body composition methods: comparisons and interpretation. *J.Diabet.Sci.Tech.* **2**:1147-1150.

- 2008 **Sherwood, R.J.**, D.L. Duren, L.M. Havill, J. Rogers, L.A. Cox, B. Towne, M.C. Mahaney. A genome-wide linkage scan for quantitative trait loci influencing the craniofacial complex in baboons (*Papio hamadryas spp.*). *Genetics*. **180**:619-628
- 2008 **Sherwood, R.J.**, D.L. Duren. Genetics of the Craniofacial Complex. In *Essentials of Facial Growth, Second Edition*. (D. Enlow, M. Hans, eds.). Ann Arbor: Needham Press, Inc. Pp. 402-412.
- 2008 **Sherwood, R.J.**, D.L. Duren, E.W. Demerath, S.A. Czerwinski, R.M. Siervogel, B. Towne. Quantitative genetics of modern human cranial variation. *J.Hum.Evol.* **54**:909-914.
- 2008 Duren, D.L., **R.J. Sherwood**, S.A. Czerwinski, Wm.C. Chumlea, E.W. Demerath, S.S. Sun, R.M. Siervogel, and B. Towne. Genetic architecture of knee radiographic joint space in healthy young adults. *Hum. Biol.* **80**:1-9.
- 2007 Williams, K.D., J. Blangero, C.R. Cottom, S. Lawrence, A.C. Choh, S.A. Czerwinski, M. Lee, D.L. Duren, **R.J. Sherwood**, T.D. Dyer, J. Subedi, B. Jha, S. Williams-Blangero, B. Towne. Heritability of brachydactyly type A3 in children, adolescents, and young adults from an endogamous population in Eastern Nepal. *Hum.Biol.* **79**:609-622.
- 2007 Demerath, E.W., A. Choh, S.A. Czerwinski, M. Lee, S.S. Sun, Wm.C. Chumlea, D.L. Duren, **R.J. Sherwood**, J. Blangero, B. Towne, and R.M. Siervogel. Genetic and environmental influences on infant weight and weight change: The Fels Longitudinal Study. *Am.J.Hum.Biol.* **19**:692-702.
- 2007 Duren, D.L., **R.J. Sherwood**, A. Choh, S.A. Czerwinski, Wm.C. Chumlea, E.W. Demerath, S.S. Sun, R.M. Siervogel, B. Towne. Quantitative genetics of cortical bone mass in healthy 10-year-old children from the Fels Longitudinal Study. *Bone.* **40**:464-470.
- 2006 Duren, D.L., **R.J. Sherwood**, Wm.C. Chumlea, R.M. Siervogel, B. Towne. Radiographic joint space of the knee in healthy young adults. *Hum. Biol.* **78**(3):353-364.
- 2005 **Sherwood, R.J.**, L.J. Hlusko, D.L. Duren, V.C. Emch, A. Walker. Mandibular symphysis of large-bodied hominoids. *Hum. Biol.* **77**:735-759.
- 2002 **Sherwood, R.J.**, R.B. Rowley, S.C. Ward. Relative placement of the mandibular fossa in great apes and humans. *J. Hum. Evol.* **43**:843-852.
- 2002 **Sherwood, R.J.**, S.C. Ward, A.Hill, D.L. Duren, B. Brown, W. Downs. Preliminary Description of the *Equatorius africanus* partial skeleton (KNM-TH 28860) from Kipsaramon, Tugen Hills, Baringo District, Kenya. *J. Hum. Evol.* **42**:63-73.
- 2002 **Sherwood, R.J.**, S.C. Ward, A. Hill. The taxonomic status of the Chemeron temporal (KNM-BC 1). *J. Hum. Evol.* **42**:153-184.
- 2000 **Sherwood, R.J.**, R.S. Meindl, H.B. Robinson, R.L. May. Fetal Age: Methods of

- Estimation and Effects of Pathology. *Am. J. Phys. Anthropol.* 113:305-316.
- 1999 **Sherwood, R.J.** Pneumatic processes in the temporal bone of the chimpanzee (*Pan troglodytes*) and gorilla (*Gorilla gorilla*). *J. Morphol.* 241:127-137.
- 1997 **Sherwood, R.J.**, H.B. Robinson, R.S. Meindl, R.L. May. Pattern and process in growth of the abnormal human fetus. *Hum. Biol.* **69**:849-871.
- 1995 **Sherwood, R.J.** The Hominid Temporal Bone: Ontogeny and Phylogenetic Implications. Ph.D. Dissertation, Kent State University, Kent, Ohio. Advisor: Steven C. Ward.
- 1992 **Sherwood, R.J.**, H.B. Robinson, R.L. May, and R.S. Meindl. Standardized residuals as a means for detection of growth alteration in the pathologic human fetus. *Teratology* **46**:419-428.
- 1986 **Sherwood, R.J.** Dietary Adaptations of the Plio-Pleistocene Hominidae. M.A. Thesis. Kent State University, Ohio. Advisor: C. Owen Lovejoy.

SYMPOSIA ORGANIZED

- 2011 **Sherwood, R.J.**, D.L. Duren. Symposium organizers. Growth of a Species, an Association, a Science: 80 Years of Growth and Development Research. Joint HBA/AAPA symposium. (Annual Meetings of the Human Biology Association, and the American Association of Physical Anthropology, April 13-16, 2011).
- 2009 **Sherwood, R.J.**, D.R. Cordero, S. Lozanoff. Symposium organizers. Hot Topics in the Tropics: New Breakthroughs in Craniofacial Genetics. (Annual Meetings of the Society of Craniofacial Genetics, October 20, 2009, Honolulu, HI).
- 2009 **Sherwood, R.J.**, D.L. Duren. Symposium organizers. [Standing at the Crossroads: The Genetics of Morphology](#). Joint AAAG/AAPA symposium. (Annual Meetings of the American Association of Physical Anthropology, April 1-4, 2009, Chicago, Illinois).

WORKSHOPS

- 2012-2014 "The Perils of Being Bipedal: An Evolutionary Perspective on Human Musculoskeletal Disorders." National Evolutionary Synthesis Center. Bruce Latimer, Linda Spurlock organizers.
- 2009 "Toward an Integrated Plan for Digital Preservation and Access to Primary Anthropological Data [AnthroDataDPA: A Four-Field Workshop]" Participant in joint NSF/Wenner Gren Sponsored workshop. Chair of Breakout Group reviewing "Privacy and Ethics." <http://anthrodatadpa.org/addpa/chair-reports/privacy-issues>

- 2007 “Integrating Skeletal Morphology, Human biology and Primate Behavior.” Participant in two day NSF-sponsored workshop.
- 2003 “Anthropological and Primate Genetics” a workshop sponsored by the American Association of Anthropological Genetics and the Southwest Foundation for Biomedical Research. San Antonio, Texas.

PRESENTATIONS AND PUBLISHED ABSTRACTS

- Submitted Šešelj, M., **R.J. Sherwood**, D.L. Duren. Age-related genetic influences on bone traits in the metacarpals: evidence for genetic independence across the hand. (For presentation at the annual meetings of the American Society for Bone and Mineral Research. October 12-15, 2012, Minneapolis, MN).
- 2011 Lee, M., A.C. Choh, K. Wurzbacher, E.W. Demerath, **R.J. Sherwood**, D.L. Duren, R.M. Siervogel, B. Towne, S.A. Czerwinski. Inverse associations between abdominal visceral and subcutaneous fat and bone density. (Presented at the annual meetings of the American Society for Bone and Mineral Research. Sept. 16-20, 2011, San Diego, CA). *J.Bone Miner.Res.* **26** (Suppl. 1). Available at <http://www.asbmr.org/Meetings/AnnualMeeting/Abstract2011.aspx>. Accessed 11/14/2011.
- 2011 Šešelj, M., R.W. Nahhas, **R.J. Sherwood**, Wm.C. Chumlea, R.M. Siervogel, S.A. Czerwinski, B. Towne, D.L. Duren. Pubertal Influences on bone strength: results from the Fels Longitudinal Study. (Presented at the annual meetings of the American Society for Bone and Mineral Research. Sept. 16-20, 2011, San Diego, CA). *J.Bone Miner.Res.* **26** (Suppl. 1). Available at <http://www.asbmr.org/Meetings/AnnualMeeting/Abstract2011.aspx>. Accessed 11/14/2011.
- 2011 Duren, D.L., **R.J. Sherwood**, M.Lee, M. Šešelj, T. Dyer, S.A. Cole, R.M. Siervogel, S.A. Czerwinski, J. Blangero, B. Towne. Changes in the genetic architecture of bone health during childhood. (Presented at the annual meetings of the American Society for Bone and Mineral Research. Sept. 16-20, 2011, San Diego, CA). *J.Bone Miner.Res.* **26** (Suppl. 1). Available at <http://www.asbmr.org/Meetings/AnnualMeeting/Abstract2011.aspx>. Accessed 11/14/2011.
- 2011 Šešelj, M., R.W. Nahhas, **R.J. Sherwood**, Wm.C. Chumlea, R.M. Siervogel, S.A. Czerwinski, B. Towne, D.L. Duren. Pubertal Influences on bone strength: results from the Fels Longitudinal Study. (Presented at the annual IBMS Sun Valley Workshop: Musculoskeletal Biology, July 31-August 3, 2011, Sun Valley Idaho). Available at <http://www.ibmsonline.org/portals/0/SunValley/2011abstracts/All2011Abstracts.pdf>
- 2011 **Sherwood, R.J.**, D.L. Duren. Growth and development in physical anthropology. (Invited paper: Presented at the annual meetings of the

- American Association of Physical Anthropologists, October 13-16, 2011, Minneapolis, MN). *Am.J.Phys.Anthropol.* **144**(Suppl. 52):273.
- 2011 Duren, D.L., **R.J. Sherwood**, M. Lee, R.M. Siervogel, S.A. Czerwinski, B. Towne. The changing role of genes in the growth and development of the skeleton. (Invited paper: Presented at the annual meetings of the American Association of Physical Anthropologists, October 13-16, 2011, Minneapolis, MN). *Am.J.Phys.Anthropol.* **144**(Suppl. 52):129-130.
- 2011 Nahhas, R.W., D.L. Duren, **R.J. Sherwood**, R.M. Siervogel, S.A. Czerwinski, Wm.C. Chumlea, B. Towne. Prediction of the timing of catch-up for children with delayed skeletal maturation. (Invited paper: Presented at the annual meetings of the American Association of Physical Anthropologists, October 13-16, 2011, Minneapolis, MN). *Am.J.Phys.Anthropol.* **144**(Suppl. 52):222-223.
- 2010 Duren, D.L., R.W. Nahhas, **R.J. Sherwood**, M. Lee, A.C. Choh, B. Towne, S.A. Czerwinski, R.M. Siervogel, Wm.C. Chumlea. Secular trend for earlier skeletal maturation in US children. (Presented at the annual meetings of the American Society for Bone and Mineral Research. October 15-19, 2010, Toronto, ON, Canada). *J. Bone Miner. Res.* **25**(Suppl 1). Available at <http://www.asbmr.org/Meetings/AnnualMeeting/AbstractDetail.aspx?aid=98c22939-dc68-4ed1-84fa-889a4eebe0d2>. Accessed 11/29/2010.
- 2010 Lee, M., A.C. Choh, B. Towne, T.D. Dyer, D.L. Duren, R.W. Nahhas, **R.J. Sherwood**, Wm.C. Chumlea, R.M. Siervogel, S.A. Cole, S.A. Czerwinski. Significant quantitative trait loci on chromosomes 3 and 16 linked to proximal hip geometry in the Fels Longitudinal Study. (Presented at the annual meetings of the American Society for Bone and Mineral Research. October 15-19, 2010, Toronto, ON, Canada). *Bone Miner. Res.* **25**(Suppl 1). Available at <http://www.asbmr.org/Meetings/AnnualMeeting/AbstractDetail.aspx?aid=bd33139e-9465-4512-b0ad-2c872329534b>. Accessed 11/29/2010.
- 2010 Stubblefield, P.S., S.C. Antón, J.J. Snodgrass, C. Crowder, A. Di Fiore, D.L. Duren, E. Fernandez-Duque, W.R. Leonard, S.R. Leigh, F. Madimenos, S. McGraw, E. Middleton, C.A. Schmitt, **R.J. Sherwood**, T.R. Turner, C.R. Vallengia, F.J. White. Integrative measurement protocols incorporating morphometric and behavioral research tools from forensic anthropology, human biology and primatology. *Proc. Amer. Acad. For. Sci.* **16**:366.
- 2009 **Sherwood, R.J.**, M.C. Mahaney, D.L. Duren, L. M. Havill, L.A. Cox, J. Rogers, J. Blangero, T. Dyer, S.A. Cole, S.A. Czerwinski, R.M. Siervogel, B. Towne. Comparative genomics of the primate craniofacial complex (Presented at the annual meetings of the Society of Craniofacial Genetics, Oct. 20, 2009, Honolulu, HI). Available from <http://www.craniofacialgenetics.org>.
- 2009 **Sherwood, R.J.**, K.P. McNulty, D.L. Duren, M.C. Mahaney, S. Williams-

- Blangero, R.M. Siervogel, B. Towne. Dissecting the genetic architecture of craniofacial shape. (Invited paper: Presented at the First International Conference on Biological Shape Analysis. June 3-6, 2009, Tsukuba, Japan).
- 2009 Iossi, M., E. Konstantakos, M. Coffey, D. Teel, **R.J. Sherwood**, R. Laughlin, D.L. Duren. Musculoskeletal function following bariatric surgery. (Presented at the annual meetings of the Ohio Chapter of the American College of Surgeons. May 8-9, 2009, Cleveland, OH).
- 2009 **Sherwood, R.J.**, D.L. Duren. The Genetics of Morphology. (Presented at the annual meetings of the American Association of Physical Anthropology. Joint symposium with the American Association of Anthropological Genetics. April 1-4, 2009, Chicago, IL). *Am.J.Phys.Anthropol.* **138(Suppl.48)**:369.
- 2009 Cameron, N., L.L. Jones, N.L. Hawley, S.A. Norris, J.M. Pettifor, D.L. Duren, **R.J. Sherwood**, A.C. Choh, W.C. Chumlea, B. Towne, R.M. Siervogel, E.W. Demerath. Rapid infant weight gain and the rate of skeletal maturation. (Presented at the annual meetings of the Human Biology Association. April 1-4, 2009, Chicago, IL). *Am.J.Hum.Biol.* **21**:248.
- 2009 Czerwinski, S.A., M. Lee, R.W. Nahhas, A.C. Choh, E.W. Demerath, D.L. Duren, **R.J. Sherwood**, B. Towne, Wm.C. Chumlea, R.M. Siervogel. Serum adiponectin levels and cardiovascular disease risk factors in the Fels Longitudinal Study. (Presented at the Joint Conference - 49th Cardiovascular Disease Epidemiology and Prevention and Nutrition, Physical and Metabolism. March 10-14, 2009, Palm Harbor, FL). Abstract # P152 *Circulation* **119(10)**:E316-E316.
- 2009 Choh, A.C., Y.S. Choi, R.W. Nahhas, M. Lee, Wm.C. Chumlea, K.D. Williams, D.L. Duren, **R.J. Sherwood**, B. Towne, E.W. Demerath, R.M. Siervogel, S.A. Czerwinski. Secular trends in longitudinal blood pressure with age: The Fels Longitudinal Study. (Presented at the Joint Conference - 49th Cardiovascular Disease Epidemiology and Prevention and Nutrition, Physical and Metabolism. March 10-14, 2009, Palm Harbor, FL). Abstract # P169. *Circulation* **119(10)**:E319-E319.
- 2009 Lee, M., A.C. Choh, R.W. Nahhas, Wm.C. Chumlea, E.W. Demerath, D.L. Duren, **R.J. Sherwood**, B. Towne, R.M. Siervogel, S.A. Czerwinski. Increased arterial stiffness with high-sensitive C-reactive protein levels in women, but not in men. (Presented at the Joint Conference - 49th Cardiovascular Disease Epidemiology and Prevention and Nutrition, Physical and Metabolism. March 10-14, 2009, Palm Harbor, FL). Abstract # P242. *Circulation* **119(10)**:E335-E336.
- 2009 Duren, D.L., **R.J. Sherwood**, M. Lee, R.M. Siervogel, B. Towne. Human bipedality and the genetic architecture of a locomotor system. (Presented at the annual meetings of the American Association of Physical Anthropology. Joint symposium with the American Association of Anthropological Genetics. April 1-4, 2009, Chicago, IL). *Am.J.Phys.Anthropol.* **138(Suppl.48)**:180-181.

- 2009 McNulty, K.P., D.L. Duren, J. Blangero, T. Dyer, S.A. Cole, M. Lee, R.M. Siervogel, B. Towne, **R.J. Sherwood**. The geometry and architecture of craniofacial inheritance. (Presented at the annual meetings of the American Association of Physical Anthropology. Joint symposium with the American Association of Anthropological Genetics. April 1-4, 2009, Chicago, IL). *Am.J.Phys.Anthropol.* **138(Suppl.48)**:289.
- 2009 Nahhas, R.W., A.C. Choh, M. Lee, Wm.C. Chumlea, **R.J. Sherwood**, D.L. Duren, B. Towne, R.M. Siervogel, S.A. Czerwinski. Longitudinal analysis of grip strength over the lifespan. (Presented at the annual meetings of the American Association of Physical Anthropology. April 1-4, 2009, Chicago, IL). *Am.J.Phys.Anthropol.* **138(Suppl.48)**:303.
- 2009 Snodgrass, J.J., S.C. Antón, C. Crowder, A. Di Fiore, D.L. Duren, E. Fernandez-Duque, W.R. Leonard, S.R. Leigh, F.C. Madimenos, W.S. McGraw, E. Middleton, C. Schmitt, **R.J. Sherwood**, S. Stinson, P. Stubblefield, T. Turner, C.R. Valeggia, F.J. White. Integrative measurement protocol for morphological and behavioral research in human biology.¹² (Presented at the annual meetings of the Human Biology Association. April 1-4, 2009, Chicago, IL). *Am.J.Hum.Biol.* **21**:269-270.
- 2009 Antón, S.C., J.J. Snodgrass C. Crowder, A. Di Fiore, D.L. Duren, E. Fernandez-Duque, W.R. Leonard, S.R. Leigh, F.C. Madimenos, W.S. McGraw, E. Middleton, C. Schmitt, **R.J. Sherwood**, S. Stinson, P. Stubblefield, T. Turner, C.R. Valeggia, F.J. White. Integrative measurement protocol for morphological and behavioral research in human biology. (Presented at the annual meetings of the American Association of Physical Anthropology. April 1-4, 2009, Chicago, IL). *Am.J.Phys.Anthropol.* **138(Suppl.48)**:109.
- 2009 Iossi, M., E. Konstantakos, D. Teel, **R.J. Sherwood**, R. Laughlin, D.L. Duren. Improvement in musculoskeletal function following bariatric surgery. (Presented at the annual meetings of the Mid-America Orthopaedic Association, April 22-26, 2009). Abstract #103. Available from <http://www.maoa.org/downloads/Preliminary%20Program.pdf>.
- 2009 Iossi, M., E. Konstantakos, D. Teel, **R.J. Sherwood**, R. Laughlin, D. Duren. Musculoskeletal function following bariatric surgery. (Presented at the annual meetings of the American Academy of Orthopaedic Surgeons, Feb. 25-March 1, 2009, Las Vegas, NV.). Podium No: 081. Available from <http://www3.aaos.org/education/anmeet/anmt2009/podium/podium.cfm?Pevent=081>.
- 2008 Duren, D.L., **R.J. Sherwood**, J. Blangero, J. Subedi, T. Dyer, B. Jha, J.L. VandeBerg, B. Towne, S. Williams-Blangero. Genetic linkage of measures of hand joint structure and osteoarthritis to chromosomes 7p and 14q. (Presented at the annual meetings of the American Society of Human Genetics, Nov. 12-15, 2008, Philadelphia, PA.). Abstract # 1636/T. Available from <http://www.ashg.org/2008meeting/pdf/abstractbook1.pdf>

- 2008 Towne, B., J. Blangero, S.A. Czerwinski, E.W. Demerath, D.L. Duren, K.D. Williams, T.D. Dyer, S.A. Cole, **R.J. Sherwood**, W.C. Chumlea, R.M. Siervogel. Multivariate genome-wide linkage scan of age at menarche and contemporaneous skeletal age and body mass in healthy girls from the Fels Longitudinal Study. (Presented at the annual meetings of the American Society of Human Genetics, Nov. 12-15, 2008, Philadelphia, PA.). Abstract # 1664/T. Available from <http://www.ashg.org/2008meeting/pdf/abstractbook1.pdf>
- 2008 Duren, D.L., J. Blangero, **R.J. Sherwood**, J.E. Curran, T. Dyer, S.A. Cole, S.A. Czerwinski, Wm.C. Chumlea, M. Lee, A.C. Choh, E.W. Demerath, R.M. Siervogel, B. Towne. Childhood cortical bone and skeletal age show bivariate genetic linkage to chromosome 2p. (Presented at the annual meetings of the American Society of Bone and Mineral Research, Montreal, Canada, September 12-16, 2008). *J. Bone Miner. Res.* **23(Suppl. S)**:S50.
- 2008 Lee, M., R.W. Nahhas, A.C. Choh, E.W. Demerath, Wm.C. Chumlea, D.L. Duren, **R.J. Sherwood**, K.D. Williams, B. Towne, R.M. Siervogel S.A. Czerwinski. Longitudinal analysis of calcaneal quantitative ultrasound measures during childhood. (Presented at the annual meetings of the American Society of Bone and Mineral Research, Montreal, Canada, September 12-16, 2008). *J. Bone Miner. Res.* **23 (Suppl. S)**:S454.
- 2008 Lee, M., S.A. Czerwinski, R. Liang, A.C. Choh, S.S. Sun, D.L. Duren, **R.J. Sherwood**, E.W. Demerath, Wm.C. Chumlea, B. Towne, R.M. Siervogel. Sex-specific relationship between apolipoprotein B/Apolipoprotein AI and Metabolic Syndrome. (Presented at the annual meetings of the American Diabetes Association, San Francisco, CA, June 6-8, 2008). *Diabetes* **57(Suppl. 1)**:A287.
- 2008 **Sherwood, R.J.**, M.C. Mahaney, D.L. Duren, L.M. Havill, L.A. Cox, J. Rogers, B. Towne. Variation, genetics, and evolution of the primate craniofacial complex. (Invited paper for AAAG/AAPA joint symposium "Human and Non-Human Primate Genetics in the Post-Genomic Era": Presented at the annual meetings of the American Association of Physical Anthropologists, Columbus, OH, April 9-12, 2008). *Am.J.Phys.Anthropol.* **135(Suppl.46)**:192.
- 2007 Czerwinski, S.A., M. Lee, A.C. Choh, E.W. Demerath, B. Towne, **R.J. Sherwood**, D.L. Duren, J. Blangero, S.A. Cole, R.M. Siervogel. Genome-wide scan for QTL influencing bone mineral density: The Southwest Ohio Family Study. *J. Bone Miner. Res.* **22S1**:S405. (Presented at the Annual Meeting of the American Society for Bone and Mineral Research, Honolulu, HI, September 16-19, 2007).
- 2007 M. Lee, A.C. Choh, E.W. Demerath, B. Towne, **R.J. Sherwood**, D.L. Duren, J. Blangero, R.M. Siervogel, S.A. Cole, S.A. Czerwinski. Evidence for QTL underlying normal variation in calcaneal quantitative ultrasound measures: The Southwest Ohio Family Study. *J. Bone Miner. Res.* **22S1**:S406. (Presented at the Annual Meeting of the American Society for Bone and

- Mineral Research, Honolulu, HI, September 16-19, 2007).
- 2007 **Sherwood, R.J.**, D.L. Duren, J. Blangero, J. Subedi, R. Shrestha, B. Jha, B. Towne, S. Williams-Blangero. Genetic influence and integration of dental traits. (Presented at the annual meetings of the Paleoanthropology Society, Philadelphia, PA. March 27-28, 2007). *Paleoanthropol.* **2007**:A28.
- 2007 D.L. Duren*, J. Blangero, **Sherwood, R.J.**, T. Dyer, S.A. Cole, S.A. Czerwinski, Wm.C. Chumlea, S.S. Sun, E.W. Demerath, R.M. Siervogel, B. Towne, Childhood bone strength shows genetic linkage to chromosomes 2, 4 and 12: Results from the Fels Longitudinal Study. *Bone* **40**:S42-S43. (Presented at the 4th International Conference on Children's Bone Health, Montreal, Canada, June 21-24, 2007).
- *D.L. Duren was recipient of Young Investigator's Award for this presentation.
- 2007 **Sherwood, R.J.**, D.L. Duren, S. Williams-Blangero, J. Blangero, R. Shrestha, J. Subedi, B. Jha, B. Towne. Heritability of the human jaw and dentition. *Am.J.Phys.Anthropol.* **Suppl. 44**:217. (Presented at the annual meetings of the American Association of Physical Anthropologists, Philadelphia, PA, March 28-31, 2007).
- 2006 **Sherwood, R.J.**, D.L. Duren, M.C. Mahaney, L.M. Havill, B. Towne. Integration and modularity in the baboon craniofacial complex. (Presented at the annual meetings of the Society of Craniofacial Genetics, New Orleans, LA, October 9, 2006). Available from: <http://www.craniofacialgenetics.org/>.
- 2006 D.L. Duren, S. Williams-Blangero, J. Subedi, R. Shrestha, B. Jha, B. Towne, **R.J. Sherwood**. Genetic architecture of the human dentognathic complex. (Presented at the annual meetings of the Society of Craniofacial Genetics, New Orleans, LA, October 9, 2006). Available from: <http://www.craniofacialgenetics.org/>.
- 2006 Demerath, E., A.C. Choh, M. Lee, S. Czerwinski, **R.J. Sherwood**, D.L. Duren, S.S. Sun, Wm.C. Chumlea, R.M. Siervogel, B. Towne. Accelerated growth during infancy and visceral adiposity in adulthood: The Fels Longitudinal Study. *Obesity* **14 (Suppl.)**:A35. (Presented at the Annual Meetings of NAASO, The Obesity Society, Boston, Massachusetts, October 20-24, 2006).
- 2006 Spees, V.J., S.A. Czerwinski, D.L. Duren, D.W. Reed, Wm.C. Chumlea, M. Lee, S.S. Sun, B. Towne, **R.J. Sherwood**, E.W. Demerath, R.M. Siervogel. Prediction of Bone Mineral Density from Calcaneal Ultrasound in Children: The Fels Longitudinal Study. *Med. Sci. Sports Exer.* **38(Suppl.)**: S532. (Presented at the Annual Meetings of American College of Sports Medicine, Denver, Colorado, May 31-June 3, 2006).
- 2006 **Sherwood, R.J.**, D.L. Duren, J. Blangero, M.C. Mahaney, B. Towne. Face value: Comparative quantitative genetics of the human (*Homo sapiens*) and baboon (*Papio hamadryas*) craniofacial complex. *Paleoanthropol.* **PAS 2006**

- Abstracts:**A01 (Presented at the annual meetings of the Paleoanthropology Society, San Juan, PR. April 24-26, 2006).
- 2006 **Sherwood, R.J.**, D.L. Duren, M.C. Mahaney, B. Towne. Quantitative genetics of modern baboon (*Papio hamadryas*) craniofacial variation. *Am.J.Phys.Anthropol. Suppl. 42*:164-165. (Presented at the annual meetings of the American Association of Physical Anthropologists, Anchorage, Alaska, March 5-12, 2006).
- 2005 **Sherwood, R.J.**. Genetic epidemiology of complex traits in the baboon cranium. (Invited speaker for “Anthropological and Primate Genetics” a workshop sponsored by the American Association of Anthropological Genetics and the Southwest Foundation for Biomedical Research. San Antonio, Texas. December 8-10, 2005).15
- 2005 **Sherwood, R.J.**, D.L. Duren, J. Blangero, T. Dyer, S.A. Cole, R.M. Siervogel, B. Towne. Craniofacial Genetics and the Fels Longitudinal Study. (Presented at the annual meetings of the Society of Craniofacial Genetics, Salt Lake City, Utah, October 25, 2005). Available from: <http://www.craniofacialgenetics.org/>.
- 2005 **Sherwood, R.J.**, D.L. Duren, J. Blangero, B. Towne. Phyletic valence of craniofacial traits: clues from quantitative genetics. *Am.J.Phys.Anthropol. Suppl. 40*:194. (Presented at the annual meetings of the American Association of Physical Anthropologists, Milwaukee, WI. April 6-9, 2005).
- 2005 **Sherwood, R.J.**, D.L. Duren, J. Blangero, T. Dyer, S.A. Cole, R.M. Siervogel, B. Towne. The Search for the Real Missing Link: Finding the Genes that Influence Craniofacial Morphology. *Paleoanthropol. PAS 2005 Abstracts*:A40 (Presented at the annual meetings of the Paleoanthropology Society, Milwaukee, WI. April 5-6, 2005).
- 2005 Bellisari, A., D.L. Duren, **R.J. Sherwood**. Sex difference in emergence of deciduous dentition in captive lowland gorillas (*Gorilla gorilla gorilla*). *Am.J.Phys.Anthropol. Suppl. 40*:75. (Presented at the annual meetings of the American Association of Physical Anthropologists, Milwaukee, WI. April 6-9, 2005).
- 2004 Bellisari, A., D.L. Duren, **R.J. Sherwood**. Infant gorilla growth and development. (Presented at the 3rd Annual Great Lakes Regional Gorilla Workshop. Columbus Zoo and Aquarium, Columbus, OH. November 3-4, 2004).
- 2004 **Sherwood, R.J.** Genetic epidemiology of complex traits in the baboon cranium. (Invited speaker for “Anthropological and Primate Genetics” a workshop sponsored by the American Association of Anthropological Genetics and the Southwest Foundation for Biomedical Research. San Antonio, Texas. November 18-20, 2004).
- 2004 **Sherwood, R.J.**, D.L. Duren, J. Blangero, T. Dyer, S.A. Cole, R.M. Siervogel,

- B. Towne. A genome-wide linkage scan for quantitative trait loci influencing the craniofacial complex. Presented at: Annual Meeting of the American Society of Human Genetics; October 27, 2004; Toronto, Ontario. Available from: <http://www.ashg.org/cgi-bin/ashg04s/ashg04>.
- 2004 **Sherwood, R.J.**, D.L. Duren, J. Blangero, B. Towne. Genetic architecture of the human cranium during growth. *In* Proceedings of the 10th International Congress of Auxology, Human Growth in Sickness and in Health. (Auxologici) Florence, Italy: NICOMP, L.E.: 98-99 (Presented at the 10th International Congress of Auxology. Firenze, Italy. July 4-7, 2004).
- 2004 **Sherwood, R.J.**, D.L. Duren, J. Blangero, S.A. Czerwinski, B. Towne. Genetic architecture of the human craniofacial complex with paleontological implications. *J. Morphol.* **260**: 328 (Presented at the Seventh International Congress of Vertebrate Morphology. Boca Raton, Florida. July, 2004.)
- 2004 **Sherwood, R.J.**, D.L. Duren, J. Blangero, B. Towne. The genetic epidemiology of complex traits in the human cranium. (Presented at the 4th International Conference on the Genetic Epidemiology of Complex Traits. April 4-7, 2004, Cambridge, England).
- 2004 Bellisari, A., D.L. Duren, **R.J. Sherwood**, M. Barrie, A captive infant female gorilla with vitamin D and calcium deficiency: preliminary description. *Am.J.Phys.Anthropol. Suppl.* **38**:61 (Presented at the annual meetings of the American Association of Physical Anthropology, Tampa, Florida, 2004).
- 2003 **Sherwood, R.J.**, D.L. Duren, S.A. Czerwinski, J. Blangero, B. Towne. Quantitative genetics of modern human craniofacial variation: implications for the interpretation of the hominin fossil record. *Am.J.Phys.Anthropol. Suppl.* **36**:190 (Presented at the annual meetings of the American Association of Physical Anthropology. Tempe, Arizona. April, 2003).
- 2003 D.L. Duren, S.A. Czerwinski, **R.J. Sherwood**, A.F. Roche, R.M. Siervogel, B. Towne. Quantitative genetics of the craniofacial complex in humans. *Am.J.Phys.Anthropol. Suppl.* **36**: 91-92. (Presented at the annual meetings of the American Association of Physical Anthropology. Tempe, Arizona. April, 2003).
- 2002 **Sherwood, R.J.**, J.D. Kingston. Paleoanthropological Survey of the Lake Rukwa Basin, Tanzania. *Am.J.Phys.Anthropol. Suppl.* **34**:141. (Presented at the annual meetings of the American Association of Physical Anthropology. Buffalo, New York).
- 2002 Rowley, R.B., **R.J. Sherwood**. Ontogeny and allometry of mandibular fossa placement in African apes. *Am.J.Phys.Anthropol. Suppl.* **34**:134. (Presented at the annual meetings of the American Association of Physical Anthropology. Buffalo, New York).
- 2001 **Sherwood, R.J.**, R.B. Rowley, S.C. Ward. Relative placement of the mandibular fossa. *Am.J.Phys.Anthropol. Suppl.* **32**:136-137. (Presented at

- the annual meetings of the American Association of Physical Anthropology. Kansas City, Kansas).
- 2001 Nicolay, C.W., **R.J. Sherwood**. Eigenshape and Biomechanical Analysis of the Phyllostomid Mandibular Symphysis. *Am. Zool.* **40**:1148. (Presented at the annual meetings of the Society for Integrative and Comparative Biology, Chicago, Illinois).
- 2000 **Sherwood, R.J.**, R.L. May. The status of early *Homo*. *Am. J. Phys. Anthropol. Suppl.* **30**:280. (Presented at the annual meeting of the American Association of Physical Anthropologists, San Antonio, Texas).
- 1999 May, R., **R.J. Sherwood**. Shape measurements of the early hominid cranial base. *J. Hum. Evol.* **36**:A11. (Presented at the annual meeting of the Paleoanthropology Society. Columbus, Ohio).
- 1999 **Sherwood, R.J.**, R.S. Meindl, H.B. Robinson, R.L. May. Estimation of fetal age. *Am. J. Phys. Anthropol. Suppl.* **28**:249. (Presented at the annual meeting of the American Association of Physical Anthropologists, Columbus, OH).
- 1997 **Sherwood, R.J.** Ontogeny of temporal bone pneumatization in the Hominoidea. *J. Morphol.* **232**:322. (Invited paper; presented at the Fifth International Congress of Vertebrate Morphology. Bristol, England).
- 1997 **Sherwood, R.J.**, V.C. Emch, L.J. Hlusko, A. Walker. The mandibular symphysis of *Australopithecus*. *J. Hum. Evol.* **32**:A19-A20. (Presented at the Annual meeting of the Paleoanthropology Society, St. Louis, MO).
- 1996 **Sherwood, R.J.**, S.C. Ward, A. Hill. Mandibular fossa anatomy of the Chemeron temporal bone (KNM-BC 1). *Am. J. Phys. Anthropol. Suppl.* **22**:214-215. (Presented at the Annual meeting of the American Association of Physical Anthropologists, Durham, NC).
- 1994 **Sherwood, R.J.** Radiographic anatomy of the temporal bone of fossil hominids. *Am. J. Phys. Anthropol. Suppl.* **18**:180 (Presented at the Annual meeting of the American Association of Physical Anthropologists, Denver, CO).
- 1992 Pangas, S.A., C.O. Lovejoy, **R.J. Sherwood**, K.C. Adams, C.S. Adams, R.S. Meindl, J.A.K. Hudson. The last common human mitochondrial DNA ancestor may be early Pleistocene in age. Presented at the *International Conference on Molecular Evolution*. Pennsylvania State University, June 11-14, 1992.
- 1992 **Sherwood, R.J.**, R.L. May, R.S. Meindl, and H.B. Robinson. Growth alteration in the pathological human fetus. *Am. J. Phys. Anthropol. Suppl.* **14**:150. (Presented at the Annual meeting of the American Association of Physical Anthropologists, Las Vegas, NV).
- 1989 **Sherwood, R.J.** and S.C. Ward. Development of temporal bone pneumatization in the African great apes. *Am. J. Phys. Anthropol.* **78**:301.

(Presented at the Annual meeting of the American Association of Physical Anthropologists, San Diego, CA).

- 1988 Harrison, M.L., **R.J. Sherwood** and S. Tardif. Differential use of wooden cage furniture in Callitrichid primates: Implications for psychological well-being. (Presented at conference *The Psychological Well Being of Captive Primates*. School of Medicine, Harvard University.)

PUBLISHED BOOK REVIEWS

- 2005 **Sherwood, R.J.** Review of *The Ape in the Tree: An Intellectual and Natural History of Proconsul*. by Alan Walker and Pat Shipman (2005) Cambridge: Belknap Press. *Am.J.Hum.Biol.* **17(6)**:826-827.
- 2004 **Sherwood, R.J.** Review of *Human Paleobiology*. by Robert B. Eckhardt (2000) Cambridge: Cambridge University Press. *Rep.N.Cen.Sci.Edu.* **24(2)**:36-37.
- 1998 **Sherwood, R.J.** Review of *Children of the Ice Age: How a Global Catastrophe Allowed Humans to Evolve*. by Steven M. Stanley (1998) New York: WH Freeman and Co. *Rep.N.Cen.Sci.Edu.* **18**:22-23.

Web Sites:

- Richard J. Sherwood [Http://www.wright.edu/~richard.sherwood/](http://www.wright.edu/~richard.sherwood/)
- Bones and Behavior [Http://www.bonesandbehavior.org/#WG](http://www.bonesandbehavior.org/#WG)
- AAOF Legacy Collection [Http://www.cril.org/aaof/aaof_home.asp](http://www.cril.org/aaof/aaof_home.asp)
- AnthroDataDPA Report <http://anthrodatadpa.org/addpa/>

Elected Positions, Professional Organizations:

- 2009-2011 Past-President, Society of Craniofacial Genetics
- 2010-2011 Past-President, American Association of Anthropological Genetics
- 2009-2010 President, American Association of Anthropological Genetics
- 2008-2009 Vice President, American Association of Anthropological Genetics
- 2008-2009 President, Society of Craniofacial Genetics
- 2006-2008 Vice President, Society of Craniofacial Genetics
- 2006-2008 Executive Committee, American Association of Anthropological Genetics

Appointed Positions, Professional Organizations:

- 2009 Student Prize Committee, American Association of Anthropological Genetics
- 2001-2002 Student Prize Committee, American Association of Physical Anthropology
- 2001-2003 Membership Committee, American Association of Physical Anthropology

Regional/University Committees:

- 2011-2012 Member, Aging and Higher Education Advisory Committee, Ohio Board of Regents
- 2010-2012 Member, Research Committee, Boonshoft School of Medicine, Wright State University

- 2008-present Member, Academic Promotions Committee, Department of Pediatrics, Boonshoft School of Medicine, Wright State University
- 2007-present Ad hoc member, Orthopaedic Research Committee, Department of Orthopaedics, Boonshoft School of Medicine, Wright State University
- 2001-2002 Fulbright Committee, University of Wisconsin, Madison
- 2001-2002 Memorial Resolution Committee, to honor the memory of Dr. John T. Robinson
- 2000-2002 Admissions and Student Awards, Department of Anthropology, University of Wisconsin, Madison
- 2000-2002 Lectures Committee, Department of Anthropology, University of Wisconsin, Madison
- 1998-2005 Senator, Faculty Senate, University of Wisconsin, Madison
- 1998-2005 Curator, Anthropology Collections, Department of Anthropology, University of Wisconsin, Madison
- 1998-2001 Curriculum Committee, Department of Anthropology, University of Wisconsin, Madison
- 1998-2001 Faculty Minority Liaison, Department of Anthropology, University of Wisconsin, Madison

PROFESSIONAL ACTIVITY

Reviewer for the following: NIH Study Sections

National Institute of Craniofacial and Dental Research

- | | |
|------|---------------------------------------|
| 2012 | DSR 2 Special Grants Review Committee |
| 2009 | Special Emphasis Panel ZHD1 MRG-C |
| 2007 | DSR Special Grants Review Committee |
| 2006 | R03 Applications |
| 2005 | R21 Applications |

Journals

Journal of Human Evolution
 Journal of Morphology
 Human Biology
 Am. J. Physical Anthropology
 Proc. Natl. Acad. Sci.
 Current Anthropology
 Brain, Behavior, and Evolution
 Anatomical Record
 Journal of Medical Primatology
 Am. J. Human Biology
 Arch. Oral Biology
 Science
 Heredity
 Human Heredity
 Orthodontics and Craniofac. Res.

Granting Agencies

National Science Foundation
 Graduate Women in Science
 Natl. Environ. Research Council
 Am. Assn. Advanc. Science

Publishers

Academic Press
 Prentice Hall
 McGraw-Hill
 Mayfield
 Wadsworth
 U. Of Chicago
 Elsevier
 Wiley Liss

CONSULTANT

2012

- Science. Interviewed by Elizabeth Pennisi for story on evolutionary medicine of the musculoskeletal system.
- Flemish Dental Association. Interviewed for story on Nepal Dental Research.
- Price County Sheriff's Department. Phillips, Wisconsin. Forensic analysis of recovered skeletal material.
- [Wright State Regional Summit](#). Wright State Means Jobs. Video posted on the WSU website.

2011

- Case Western Reserve University, News and Information. Interviewed for story on AAOF Legacy Project
- Interviewed for "Research at Wright State University" video.
- SNPpets of News from Genetics. The newsletter of the Dept. of Genetics, Texas Biomedical Research Institute. "New Nepal Project Looks at How Genes Form Teeth, Jaws"
- [Dayton Daily News](#). Interviewed for story entitled "WSU Professor Travels to Himalayas for Dental Research"
- [Wright State University Newsroom](#). Interviewed for story entitled "Himalayan Dental Study Crowned by Wright State Computer Muscle"
- [Dental Tribune: The World's Dental Newspaper](#): Interviewed for story entitled "Nepalese Teeth to Uncover Origins of Birth Defects."
- [The Guardian: Wright State University's Campus Newspaper](#). Interviewed for story on Nepal Dental Research.

2010

- [Vital Signs, Wright State University](#). Interviewed for story on the Lifespan Health Research Center.

2009

- [The Round-Up. A publication of the Southwest National Primate Research Center. Baboon Craniofacial Research](#)
- [Dayton Business Journal](#). Interviewed for story regarding federal stimulus funding to Wright State University.
- U.S. Department of Labor. Occupational Information Network. Participating expert regarding occupation of anthropologists.
- Price County Sheriff's Department. Phillips, Wisconsin. Forensic analysis of recovered skeletal material.

2008

- [The Daily Cardinal](#). Consultant on story regarding the biological significance of bad breath.
- The Columbus Dispatch. Consultant on story regarding the National Children's Study.

2007

- Price County Sheriff's Department. Phillips, Wisconsin. Forensic analysis of recovered decomposing material (determined to be a bear foot). Additional material

identified as non-human.

2004

- Price County Sheriff's Department. Phillips, Wisconsin. Forensic analysis of recovered skeletal material.

2003

- Associated Press. Consultant regarding new fossils from Herto member, Middle Awash Ethiopia.
- Price County Sheriff's Department. Phillips, Wisconsin. Forensic analysis of recovered skeletal material.
- Phillips Police Department. Phillips, Wisconsin. Forensic analysis of recovered skeletal material.
- Milwaukee Journal Sentinel. Consultant on a variety of stories regarding human evolution.
- Associated Press. Consultant regarding the proposed inclusion of Chimpanzees into the genus *Homo*.

2002

- Columbus Zoo. Consultant regarding growth of infant gorilla, Mo'Ana. This gorilla is suffering from a parathyroid condition resulting in brittle bones and retarded growth.
- Manitowoc County Sheriff. Manitowoc, Wisconsin Forensic analysis of recovered skeletal material.
- Computer Graphics World. Consultant for story on use of 3D graphics in human origins research.

2000

- Radio station WORT, Madison, WI. Consultant on story regarding the origin of anatomically modern humans. Included an on-air interview.
- Strange but True. Syndicated newspaper column. Future evolution of humans

1999

- National Geographic Society. Reconstruction of Olduvai Hominid 62. John Daugherty, artist. <http://www.highlightstudios.com/archiveDetail.php?show=18>
- Carroll County Sheriff. Indiana. Forensic Investigation. Search for missing person.
- Isthmus Magazine, Skeletal Collections for Anatomical Teaching
- Kent Record Courier, Paleoanthropological Field Work in the Baringo Basin, Kenya
- Provided comment on "Jacob's Prints" supposed early human footprints in Pennsylvania. <http://www.geocities.com/sme4264037/expedition.htm#Expert>

1997-2000

- Jane Magazine. Consultant on aspects of human behavior and biology for a variety of stories.

1997-1998

- Associated Press. Interviewed regarding several new fossil hominid finds.
- The Daily Collegian. Interviewed for a series of stories on human biology and definitions of race.

1996

- Expert Witness: Fetterolf vs. Hoffmann-LaRoche, Inc. Provided fetal age estimate of deceased.

1994

- Anatomical Consultant. Workshop on Laparoscopic Surgical Techniques. J. Rosser, M.D. Coordinator.

1990

- Daily Kent Stater. Interviewed regarding paleoanthropological field work in Kenya.
- 1986-1994
- Forensic Analysis. Recovery and analysis of human remains. Part of team led by Dr. C. Owen Lovejoy.

1984

- Forensic Analysis. Recovery and analysis of human remains. Hopewell, Virginia

PUBLIC AND UNIVERSITY LECTURES

2011

- WSU Medical Student Research Club, Translational Research Lecture Series. [*Tackling Basic and Translational Research: Can You Do It All?*](#)
- Mental Health Services for Clark and Madison County. *“Heads Up: Craniofacial Research on the Fels Longitudinal Study”*

2010

- Rotary Club, Xenia, Ohio. *“Research conducted at the Lifespan Health Research Center, Wright State University”*

2009

- Conference on Orthotics and Prosthetics, Miami Valley Hospital, Dayton, OH *“Normal Human Locomotion”* (CME credit)

2006

- Wright State University, Community Health Colloquium *“What are (some of) the interesting questions regarding craniofacial biology?”*

2004

- New York Regional Primatology Colloquium *“Fels, Faces, and Fossils: New Opportunities for Paleontologic Inference”*
- New York University, Department of Anthropology. Human Skeletal Biology Colloquium *“Assessing Skeletal Age at Death in Subadults”*

2003

- Wright State University, Department of Anthropology. *“The Early Hominin Fossil Record”*
- Wright State University, Lifespan Health Research Center, Department of Community Health. *“A Biological Approach to Craniology”*
- University of Wisconsin, Madison. School of Medicine. Research Apprenticeship Program. *“Biomechanics of Human Walking”*
- University of Wisconsin, Madison. Paleontology Club. *“The Search for Human Origins”*

- Memorial High School, Madison, WI. *"Human Evolution"*
- 2002
- University of Wisconsin, Madison. African Studies Program. *"Search for the Missing Link"*
 - Henry Vilas Park Zoological Society. *"The Great Apes and Humans: Searching for Our Origins from Kenya to Tanzania"*
 - Wright State University. School of Medicine. Lifespan Health Research Center. *"Reconstructing the Family Tree: Human Evolution in East Africa."*
 - Wright State University. Department of Anthropology. *"Reconstructing Behavior from the Fossil Record"*
- 2000
- University of Wisconsin, Madison. Department of Anthropology. *"Fetal Thoughts: Musings of a Productive Mistake"*
 - University of Wisconsin, Madison. Wisconsin Teacher Enhancement Program in Biology. *"The Roots of Bipedality"*
 - Beloit College. *"The Changing Face of Human Evolution"*
- 1999
- Morningside College, Department of Biology. *"The Search for Fossil Evidence of Human Evolution"*
 - Yale University, Department of Anthropology. *"Fetal growth: Effects of Pathology with Implications for Age Estimation"*
 - Thoreau Elementary School *"Human Evolution"*
- 1998
- University of Wisconsin, Madison. Wisconsin Teacher Enhancement Program in Biology. *"Functional Morphology of Fossil Hominids"*
 - University of Wisconsin, Fox Valley. Senior Science Society. *"New Evidence for Human Evolution"*
 - University of Wisconsin, Madison. Department of Anthropology. *"Origin of Genus Homo"*
- 1997
- Northwestern University. Biological Anthropology Colloquium. *"Origins of Genus Homo: The View from Below"*
- 1996
- Pennsylvania State University. Anthropology Colloquium. *"Eigenshape Analysis"*
- 1995
- Pennsylvania State University. Anthropology Colloquium. *"Basiscranial Anatomy of Early Hominids"*
- 1994
- Yale University. Dept. of Anthropology. Biological Anthropology Colloquium. *"Ontogeny of the Temporal Bone"*
 - Kent State University. Biological Anthropology class (graduate) *"Embryology and Development of the Limb"*

- Kent State University. Old World Archaeology class (graduate) “*East African Fossil Hominids*”

1989-1993

- Kent State University. Dept. of Biology. “*Functional Morphology of Bipedality*” Annual lecture to Pre-med class

1992

- Kent State University. Old World Prehistory class. “*Geology and Environment of Olduvai Gorge*”
- First Methodist Church of Kent, “*Evolution*”

1991

- Kent State University. Sociology class. “*Evolution*”

1988-1991

- Northeastern Ohio Universities College of Medicine. Minority Affairs Program. “*Human Anatomy and the Anatomy program*” Annual lecture to inner city High School students

GRADUATE AND UNDERGRADUATE ADVISING

Current Status: *Full Faculty member of The Biomedical Sciences Ph.D. Program. Full member of the Graduate Program. Wright State University.*

Postdoctoral Research Mentor

2010-present

- Kristin Krueger-Vinson, Ph.D.

Ph.D. Dissertation Committee

2010

- Jelynn Stinson BMS Program, Wright State University

2001

- Jessica Lynch “Male Behavior and Endocrinology in Wild Tufted Capuchin Monkeys, *Cebus apella nigrinus*”

2000

- Nichelle Cobb “The Social Development of Juvenile Rhesus Macaques”

1999

- Travis Pickering “Taphonomic Interpretations of the Sterkfontein Early Hominid Site (Gauteng, South Africa) Reconsidered in Light of Recent Evidence”
- Kildo Choi “Plio-Pleistocene Javanese *Homo erectus* Subsistence and Tool Use Behavior: An Experimental and Taphonomic Approach”

Master’s Students Advised/Committees

2011

- Mathew Thomas, “Semi-automated Dental Cast Analysis Software” Biomedical, Industrial, and Human Factor Engineering

2001

- Rebecca B. Rowley

Graduate Student Independent Investigation

2001

- Human Evolution. Michael Tilkins

2000

- Primate Evolution. Rebecca Rowley

1998

- Analysis of cranial morphology from Harappa. Chris Jenkins

Undergraduate Student Independent Investigation

2005 - Present Wright State University

2011

- Pulling Teeth in Rural Nepal: Oral Health Practices of the Jirel Population, Rebecca Robbins, Dickinson College. SIT Study Abroad Program.

2006

- Hearing acuity in the Fels Longitudinal Study. Ashley N. Rankin. Short-Term Research Experience Access for Minority Students.

2005

- Genetic architecture of human dentition. Lakeydra Preston. Short-Term Research Experience Access for Minority Students.

1997-2004 University of Wisconsin, Madison

2004

Honors Thesis

- Cranial morphology of Easter Islanders. Elena Kouneski

2003

- Museum Techniques. Heather Schry
- Museum Techniques. Krista Greenwood
- Evolution of Femoral Anatomy. Ariana Ridgely

2002

- Museum Techniques. Andrea Johnson

2001

- Museum Techniques. Meghan Cotter
- Museum Techniques. Kate Scheffler
- South African Paleontology. Jarod Hutson

2000

Honors Thesis

- Anthropology of Vietnam. Kimanh To

Independent Investigations

- Practical anatomy. Meghan Duffie
- Inventory of early *Homo*. Valerie Lund
- Museum techniques. Andrew Froehle, Meghan Duffie, Akiko Graves, Amanda Rockman
- Brain sparing in abnormal fetuses. Shayne McInay.

- Comparative craniometrics. Suzanne Hagell

1999

- Curation of prehistoric skeletal remains. Karis Rygg, Akiko Graves.
- Miocene hominoidea, a comprehensive database. Suzanne Hagell
- The Biology of Rape. Joint student project Kimberly Pettis, Anthony Olejniczak

Sophomore Summer Honors Apprenticeship.

- Comparative basicranial anatomy of primates with implications for human evolution. Andrew Froehle

1998

- Skeletal biology in eunuchs. Taag Erickson

1994-1995 *Yale University*

Senior Theses

- The Early Dawn Found a Baby: Traditional Childbirth among the Navajo and Pueblo Peoples. Serena Wadsworth
- A study of Locomotion in *Australopithecus afarensis*. Mark Learned.

1992 *Kent State University*

- Cranial Deformation. Jon Cartledge

PREPARED COURSES

Introductory

- **Introduction to Human Biology.** Introductory lecture course covering basic concepts of genetics, evolutionary theory, fossil record, and modern human variation and adaptation.
- **Evolution of the Human Species.** Introductory lecture course covering basic concepts of evolutionary theory, and focuses on the fossil record in terms of chronology of species, site formation, and interpretation of the human evolutionary record.
- **Human Biology Lab.** Lab based introductory course designed to provide students with a hands on approach to issues of Human Biology. Topics include genetics, primate behavior, skeletal anatomy, and diet.

Advanced (Undergraduate/Graduate)

- **Human Skeletal Anatomy.** Laboratory based course. Viewed as a dynamic, organ the skeleton is examined in detail. Along with anatomy, issues discussed include embryological development and histology of bone tissue, biomechanical properties of bone, and functional studies from both a clinical and evolutionary point of view.
- **Comparative Anatomy of Non-Human Primates.** Laboratory based course. A detailed exploration of the range of anatomical variation found within the order Primates. The class will focus primarily on the musculoskeletal system through lectures and dissection of primate specimens.

- **Evolutionary History of the Primates.** Lecture course examining the primate fossil record. Beginning with the environmental circumstances of mammalian radiation at the end of the Cretaceous the origin of primates will be examined. The evolution of primates will then be examined in light of paleoenvironmental, biogeographic evidence. Course focuses on the pre-hominid record.
- **Human Evolution.** Lecture course based as a continuation of **Evolutionary History of the Primates.** Course will focus on the evolution of the Hominidae using evidence from the fossil record, comparative hominoid anatomy, and genetics.

Seminars (Undergraduate/Graduate)

- **Problems in Paleoanthropology.** By using the most current primary literature students are exposed to a variety of topics of interest to paleoanthropologists.
- **Evolution of the Brain.** A critical issue in understanding the evolution of the genus *Homo* has been an understanding of the enlargement and reorganization of the hominid brain. This seminar attempts to uncover the mysteries of the brain by examining clinical, psychological, comparative anatomical, and anthropological literature.
- **Seminar in Evolutionary Theory.** This seminar takes a historical approach to understanding changes in evolutionary theory since Darwin. Application of evolutionary theory to primates is then examined through the fossil record, comparative anatomy, and modern genetics.
- **Human Paleobiology.** This seminar attempts to answer questions regarding the biology of fossil forms. The basic question underlying the class is what aspects of an animal's biology, whether it's behavioral, developmental, or ecological, can be reliably reconstructed from the fossil record?

Graduate

- **Human Gross Anatomy.** Laboratory based, full dissection, course. The anatomy of the human body is examined in detail; issues discussed include embryological development structures, and functional anatomy from clinical, comparative, and evolutionary points of view.
- **Comparative Anatomy of Non-Human Primates.** Laboratory based course. A detailed exploration of the range of anatomical variation found within the order Primates. The class will focus primarily on the musculoskeletal system through lectures and dissection of primate specimens.

MISCELLANEOUS EXPERIENCE

2011

- Music and Medicine Symposium. Performer (*San Francisco Bay Blues*, Guitar, vocals, and kazoo).

1992

- Fetal Pathology Database. A comprehensive database designed and created for the

storage and retrieval of qualitative and quantitative data on fetuses received by the Department of Pathology, The Toledo Hospital.

1985

- Reconstruction and dynamic positioning of the "Lucy" (AL-288-1) skeleton for the National Geographic Society. Appeared in the November 1985 issue of National Geographic magazine. Also appeared as the cover of Discover magazine, September, 2003.

1983

- Lowie Museum of Anthropology, U.C. Berkeley. Assistant lab coordinator for archaeological and faunal analysis of an 18th century site in Prince George County, Virginia.

Hobbies

Photography, Guitar, Harmonica, Bass, Ukulele