

CURRICULUM VITAE

William L. Jungers

Birth Date and Place: November 17, 1948, Palacios, Texas

Present Position:

Distinguished Teaching Professor, Department of Anatomical Sciences

Professor, Interdepartmental Doctoral Program in Anthropological Sciences (IDPAS)

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Education:

B.A. summa cum laude, Oberlin College (Oberlin, Ohio), Anthropology 1970

M.A. University of Michigan (Ann Arbor), Anthropology 1972

Ph.D. University of Michigan (Ann Arbor), Biological Anthropology 1976

Educational Employment:

Chairman, Department of anatomical Sciences, Stony Brook University, 2006-2015

Professor, Department of Anatomical Sciences, Stony Brook University, 1988-2008

Associate Professor, Department of Anatomical Sciences, Stony Brook University, 1983 – 1988

Assistant Professor, Department of Anatomical Sciences, Stony Brook University, 1980 – 1983

Research Assistant Professor, Department of Anatomical Sciences, Stony Brook University, 1979 – 1980

Lecturer/Postdoctoral Associate, Department of Anatomical Sciences, Stony Brook University, 1978

Assistant Professor, Department of Anthropology, University of Illinois (1976-1978)

Professional Service:

Editor, Journal of Human Evolution (1989-1996)

Associate Editor, Journal of Human Evolution (1986-1989; 1996-present)

Associate Editor, Contributions to Primatology (1987-1991)

Editorial Consultant, Anthropological Sciences (1992-2002)

Editorial Board Member, Folia Primatologica (1999-present)

National Science Foundation Panel Member, Physical Anthropology (1996-1999, 2002; COV BCS 2009)

External Advisory Committee, Duke University Primate Center (1997-2010)

Executive Committee, American Association of Physical Anthropologists (2001- 2004)

Program Committee, American Association of Physical Anthropologists (2002-2006)

Current Administrative Service:

Co-Director, Medical Scientist Training Program
School of Medicine Committee on Admissions
Member, Aesculapius Committee (Teaching Awards, SOM))
Advisory Board, The Turkana Basin Institute
Barry S. Collier Awards for Global Health Research Committee (SOM)
DLAR Advisory Committee
Executive Committee, IDPAS
SBU Selection Committee for the Chancellor's/President's Awards
Member, SOM Space Management and Utilization Committee
Board of Representatives – CPMP (Alternate)
Member, SBU Honorary Degrees Committee
Member, Scholarly Concentrations Program Committee (SOM)

Honors:

Phi Beta Kappa (Oberlin College)
Alfred P. Sloan Scholar, Oberlin College (1966-1970)
Comfort-Starr Award in Sociology-Anthropology, Oberlin College (1970)
Danforth Foundation Graduate Fellow (1971-1975)
Rackham Graduate School Fellowship, University of Michigan (1976)
Aesculapius Award in Recognition of Outstanding Teaching, SBU (1994)
Dean's Award for Excellence in Graduate Mentoring, SBU (2002)
Excellence in Teaching Award - SOM (1986, 1990, 1992, 1994, 2000, 2001, 2003, 2004)
President's Award for Excellence in Teaching (2006-2007)
Chancellor's Award for Excellence in Teaching (2006-2007)
Alpha Omega Alpha Honor Medical Society (2010)
Visiting ARC Fellow, Australian National University (July-August, 2012)

Research Interests:

Primate paleontology and human evolution.
Biomechanics and functional morphology (ecomorphology).
Morphometrics and scaling.

Collections Studied:

Yale Peabody Museum; American Museum of Natural History; British Museum of Natural History; Field Museum of Natural History; Cleveland Museum of Natural History; Museum of Comparative Zoology, Harvard; National Museum of Natural History; Academie Malgache and O.R.S.T.O.M., Madagascar; Naturhistorisches Museum, Vienna; Institute de Paleontology et Laboratoire d'Anatomie Comparee, Museum National d'Histoire Naturelle, Paris; Anthropologisches Institut, Zurich; Rijksmuseum van Natuurlijke Historie, Leiden; Musee Royal D'Afrique Centrale, Tervuren; Brown University, Erikson Collection; The Powell-Cotton Museum, Birchington; Leuven-au-Neuv University, Belgium; Natur-Museum-Senckenberg, Frankfurt, W. Germany; Zoologische Staatssammlung, Frankfurt, W. Germany; Anatomisches Institut der Georg-August-Universitat, Gottingen, W. Germany; Zoologisk Museum, Copenhagen, Denmark; Natur Historiska Riksmuseet,

Stockholm, Sweden; Institute Royal de Sciences Naturelle de Belgique, Brussels; Musee de l'Homme, Paris; Bell Musuem of Natural History, University of Minnesota; Darajani Baboons (Claud Bramblett), Univ. of Texas at Austin; Museum of Zoology, Univ. of Michigan at Ann Arbor; The Museum (Mammalogy), Michigan State University; Service de Paleontologie, University of Madagascar; Department of Anthropology, University of Geneva; Duke University Primate Center (Paleontology); Museum fur Naturkunde, Berlin; Indonesian Center for Archeology; National Museum of Ethiopia; Turkana Basin Institute

Research Grants:

- 1974 Cross-Jones Medical Research Grant (St. Lukes Hospital; Cleveland, Ohio), "Osteological Structure and Function in Primates."
- 1977 Rackham Dissertation Improvement Grant (University of Michigan), "Osteological Form and Function: The Appendicular Skeleton of Megaladapis (Primates, Lemuroidea)"
- 1977 Scholar's Travel Award (University of Illinois), "Locomotor Adaptations in the Earliest Primates,".
- 1979 Biomedical Research Support Grant (NIH R0577804). "Telemetric Measurement of in vivo Bone Strain in the Tibia of Nonhuman Primates, 6/79-4/80.
- 1980 University Award (S.U.N.Y.), "Allometric Analysis of the Primate Locomotor Skeleton," 3/80-3/82.
- 1980 National Science Foundation, Anthropology (BNS 7924070), "Experimental Studies on Primate Locomotion," (Co-investigator with Jack T. Stern, Jr. and Randall L. Susman), 1/80-1/30/82.
- 1981 Biomedical Research Support Grant (NIH R05736), "Muscle Structure and Function in Prosimian Primates: An Analysis Based on Muscle Histochemistry and Telemetered Electromyography," 4/1/81-3/31/82.
- 1982 National Science Foundation, Anthropology (BNS 8119664), "Experimental Studies on Primate Locomotion," (Co-investigator with Jack T. Stern, Jr. and Randall L. Susman), 1/30/82-1/29/84.
- 1982 National Science Foundation, Anthropology (BNS 8205742), "Size and Scaling in Primate Biology," (P.I.), 5/15/82-10/31/82.
- 1983 National Science Foundation, Anthropology and Systematic Biology (BNS 8217635), "Size and Scaling of the Locomotor Skeleton in Anthropoid Primates," (P.I.), 3/15/83-3/14/85.
- 1984 National Science Foundation, Anthropology (BNS 8318013), "Experimental Studies on Primate Locomotion," (Co-investigator with Jack T. Stern, Jr. and Randall L. Susman), 2/1/84-1/31/86.
- 1986 National Science Foundation, Anthropology (BNS 8318013), "Experimental Studies on Primate Locomotion," (Co-investigator with Jack T. Stern, Jr. and Randall L. Susman), 2/1/84-1/31/86.
- 1986 National Science Foundation, Anthropology and Systematic Biology (BNS 8606781), "Size and Scaling of the Locomotor Skeleton in Anthropoid Primates," (P.I.), 7/1/86-8/30/89.

- 1987 Biomedical Research Support Grant (NIH RR05736), "Age-related Changes in the Content and Organization of Bone Mineral in Chimpanzees," (P.I.) 4/1/87-3/31/88.
- 1988 Consultant, National Science Foundation, Anthropology (BNS 88-03570), "Analyses of New Miocene Hominoids," (A. C. Walker and M. Teaford, P.I.s), 8/15/88-8/15/90.
- 1989 National Science Foundation, Anthropology (BNS 88-19621), "Experimental Studies on Primate Locomotion," (Co-investigator with Jack T. Stern, Jr., Susan G. Larson and Randall L. Susman), 2/1/80-1/31/92.
- 1989 National Science Foundation, Anthropology (BNS 88-23083), "Dissertation Research: Functional Morphology of the Hominoid Back," (P.I.; student - L.J. Shapiro), 4/1/89-9/30/90.
- 1989 Consultant, National Science Foundation, Anthropology (BNS 89-11315), "Anthropological Field Research on the Giant Lemurs and Associated Fauna of Northern Madagascar," (E. L. Simons, P.I.), 6/15/89-6/15/92.
- 1990 L.S.B. Leakey Foundation Grant, "Ontogeny and Evolution of Skeleton Design in African Apes," (P.I.), 7/15/90-7/15/91.
- 1991 National Science Foundation, Anthropology (BNS 90-20562), Dissertation Research: "Quantitative Cranial Morphology of Atelinae: Function, Development and Evolution," (P.I.; student T. M. Cole), 1/30/91 to 2/1/93.
- 1991 Wenner-Gren Predoctoral Grant (No. 5303) for T. M. Cole, "Cranial morphology and morphometric variation in ateline neotropical monkeys," 1/91 to 2/92.
- 1992 National Science Foundation, Systematic Biology (IBN-9123658), Dissertation Research: "Locomotor adaptations in the Ceratomorpha (Mammalia, Perissodactyla): the effects of body size, phylogeny and ecology. (P.I.; student, M. S. Cole), 6/1/92 to 5/31/94.
- 1992 National Science Foundation, Anthropology (DBS-9209004), "Experimental studies on primate locomotion," (Co-P.I. with J. T. Stern, S. G. Larson and R. L. Susman). 7/15/92 to 6/30/94.
- 1992 National Science Foundation, Anthropology (DBS 9209061), "Vertical clingers and leapers - a biomechanical and allometric analysis," (Co-P.I. with B. Demes and J. G. Fleagle). 6/15/92 to 5/31/94.
- 1992 Consultant, National Science Foundation, Anthropology, (DBS 9207084) "Anthropological field research on the giant lemurs and associated fauna of Northern Madagascar," (E. L. Simons, P.I.). 6/15/92 to 6/14/95.
- 1992 National Science Foundation, Anthropology (DBS-9215072), Dissertation Research. "Form and function of the temporomandibular joint in anthropoid primates." (P.I.; student - C. E. Wall). 5/22/92 to 5/31/94
- 1993 National Science Foundation, Anthropology (DBS-9225084), "Primate Growth Data Collection from the London Zoo." (Co-P.I. with S. Leigh). 1/1/93 to 6/1/93.
- 1993 The Boise Fund, "Primate Evolution in Madagascar," 10/93 to 2/94.

- 1995 L.S.B. Leakey Foundation Grant, “Pedal function in anthropoid primates,” (P.I.;student - R.E. Wunderlich). 7/1/95-7/1/96.
- 1995 National Science Foundation, Anthropology (SBR-9520363), Dissertation Research: “Pedal function in anthropoid primates,” (P.I., student - R.E. Wunderlich). 9/15/95 - 8/31/96.
- 1995 National Science Foundation, Anthropology (SBR-95-7078), “Experimental studies on primate locomotion,” (Co-P.I. with S.G. Larson, B. Demes and J.T. Stern). 7/1/95-6/30/98
- 1996 National Science Foundation, Anthropology (SBR-9624726) “Dissertation Research: Biomechanics and ontogeny of phalangeal curvature in catarrhine primates.” 3/28/96 - 9/30/97 (P.I. Student - B. Richmond).
- 1996 Consultant, National Science Foundation, Anthropology (SBR 96-3350), “Anthropological field research on the giant lemur and associated fauna of Madagascar” (Co-PI with E.L. Simons, L. Godfrey and P. Chatrath). 8/1/96 - 7/31/99
- 1997 National Science Foundation, Anthropology (SBR-9712585), “Dissertation Research: Patterns of sexual dimorphism in limb joint surfaces of catarrhine primates.” (P.I. Student - M. Lague). 8/1/97 - 7/31/98
- 1997 American Society of Biomechanics (Grant-in-Aid for B.G. Richmond): “Mechanical properties of nonhuman primate forelimb bones”. 8/31/97-12/31/97
- 1997 National Science Foundation, Major Research Instrumentation Program (SBR-9724225), “Acquisition of a motion analysis facility for the study of primate locomotion at SUNY-Stony Brook”, (Co-PI with B. Demes, S. G. Larson, J.T. Stern, Jr. and J.G. Fleagle), 9/1/97-8/31/98.
- 1997 Margot Marsh Biodiversity Foundation. “Local extinctions and biodiversity of living and subfossil *Hapalemur simus*: Implications for conservation and reintroduction of bamboo lemurs.” 7/98 - 1/1/99.
- 1998 National Science Foundation, Anthropology (SBR - 9806291), “Experimental studies on primate locomotion.” (Co-PI with S.G. Larson, B. Demes and J.T. Stern). 7/1/98 - 8/31/01
- 2000 National Science Foundation, Anthropology (SBR - 0001420), “High-risk exploratory research: Phreatic-zone excavation and integrated site analysis in southwestern Madagascar.” (Co-PI with D.A. Burney). 4/14/200 - 4/15/2001.
- 2002 National Science Foundation, Anthropology (BCS-0129185), “Integrated Analysis of Fossil Lemur Sites.” (Co-PI with D.A. Burney and L. R. Godfrey). 3/18/02 – 3/17/06.
- 2006 Wenner-Gren Foundation, “Conservation and preservation of the *Homo floresiensis* skeletal remains from Indonesia.” (PI, June 1, 2006 – May, 2007).
- 2006 Leakey Foundation Research Grant,”Form and function of the postcranial skeleton of *Homo floresiensis*.” (PI, May 1, 2006 – April 30, 2008).
- 2006 National Geographic Society. “Skeletal design and adaptations of the ‘hobbits’ (*Homo floresiensis*)

from Indonesia.” (PI, June 20, 2006 – June 19, 2008).

- 2008 Wenner-Gren Foundation, “The tarsus of *Homo floresiensis*: implications for hominin phylogeny and the evolution of bipedality.” (Co-PI, MW Tocheri, PI). 2008-2010.
- 2008 Leakey Foundation (for graduate student A.Su), “The functional morphology of subchondral and trabecular bone in the hominid hindfoot.” (December, 2008 – December 2009).
- 2009 Australian Research Council (DP1093342), “In search of the first Asian hominins: excavations at Mata Menge, Flores, Indonesia.” (Co-PI with MJ Morwood, AR Brumm, F. Aziz and MW Tocheri). 2010-2015.
- 2009 Australian Research Council (DP1096870), “Who were the ancestors of *Homo floresiensis*?” (Co-PI with CP Groves and DD Argue). 2010-2012.
- 2011 Wenner-Gren Foundation, “A phylogenetic and functional analysis of the hand and wrist morphologies of *Ardipithecus ramidus*” (Co-PI; Caley Orr, PI; M. Tocheri, Co-PI). 7-1-2011 – 7-1-2013
- 2011 Leakey Foundation, “Reconstructing hand posture and locomotor behavior in *Ardipithecus ramidus*” (Co-PI; B Patel, PI, C. Orr and M. Tocheri, Co-PIs). 6-1-2011 – 5-30-2013
- 2013 National Science Foundation, Biological Anthropology (BCS-1316947), “Collaborative Research: Comparative morphological analysis of the hand and wrist in *Ardipithecus ramidus* and Miocene hominoids.” (PI for SBU share, September 1, 2013 – August 31, 2016; other PIs: C. Orr and B. Patel).
- 2013 National Science Foundation, Biological Anthropology (BCS-1341075) DDIG for Stephanie Maiolino: “Comparative and functional morphology of primate ungulae and distal phalanges.” (PI; Student S. Maiolino). 0/1/13 – 8/31/2015.
- 2014 Grant 8945. Wenner-Gren Foundation, "The functional morphology and quantification of metatarsophalangeal joint shape and congruence in anthropoids" on behalf of Pedro Jesus Fernandez. (11/7/14 - 5/31/16)
- 2014 Grant 8960. Wenner-Gren Foundation, "Morphological integration between the face and dentition throughout ontogeny" on behalf of Allison M.U. Nesbitt. (11/4/14 - 1/30/16)
- 2015 National Science Foundation, Biological Anthropology (BCS-1454498) DDIG for Allison Nesbitt: “Morphological integration between the face and dentition throughout development. (PI; Student A. Nesbitt). (2/01/15-2/01/2017).

[I am also a Co-Director of the NIH funded MSTP MD-PhD Training Grant)]

Dissertation

- 1976 Osteological Form and Function: the Appendicular Skeleton of *Megaladapis*, a Subfossil Prosimian from Madagascar (Primates, Lemuroidea). University of Michigan, Ann Arbor.

Books and Edited Volumes:

- 1983 Les Systemes Locomoteurs chez les Primates. Annales des Science Naturelles, Zoologie, Paris, Volume 5 (2-3):52-180. (edited with F. K. Jouffroy and H. Ishida).
- 1985 Size and Scaling in Primate Biology. (W. L. Jungers, ed.), Advances in Primatology Series, Plenum Publ. Co., N.Y.
- 2002 Reconstructing Behavior in the Primate Fossil Record (J.M. Plavcan, R.F. Kay, W.L. Jungers, and C.P. van Schaik, eds.), Plenum Press, N.Y.
- 2009 Paleoanthropological Research at Liang Bua, Indonesia. (M. Morwood and W. L. Jungers, eds), J. Human Evolution Special Issue 57: 437-650.
- 2013 Les Animaux et Ecosystem de l'Holocene Disparus de Madagascar. (S. M. Goodman and W. L. Jungers). Association Vahatra. Guides sur le Diversite Biologique de Madagascar.
- 2014 Extinct Madagascar: Picturing the Island's Past (Steven M. Goodman and William L. Jungers) University of Chicago Press.

Published Articles:

- 1976 Jungers, W. L., Jr. Multiple creations and racial classifications: anthropology in nineteenth-century France. Michigan Discussions in Anthropology, 1:65-84.
- 1976 Jungers, W. L., Jr. and Y. Rumpler. Craniometric corroboration of the specific status of Lepilemur septentrionalis, an endemic lemur from the north of Madagascar. J. Human Evol., 5:317-321.
- 1977 Jungers, W. L. Hindlimb and pelvic adaptations to vertical climbing and clinging in Megaladapis, a giant subfossil prosimian from Madagascar. In: Yearbook of Physical Anthropology, 1976, Vol. 20, pp. 508-524.
- 1978 Jungers, W. L. On canine reduction in early hominids. Current Anthropology 19:155-156.
- 1978 Jungers, W. L. The functional significance of skeletal allometry in Megaladapis in comparison to living prosimians. Amer. J. Phys. Anthrop., 19:303-314.
- 1979 Jungers, W. L. and R. J. Minns. Computed tomography and biomechanical analysis of fossil long bones. Amer. J. Phys. Anthrop., 50:285-290.
- 1979 Jungers, W. L. Locomotion, limb proportions and skeletal allometry in lemurs and lorises. Folia Primatol., 32:8-28.
- 1979 Jouffroy, F. K., W. L. Jungers and J. T. Stern, Jr. Tele-electromyographie des divers faisceaux du muscle quadriceps femoris au cours de la locomotion chez un Lemurien de Madagascar (Lemur fulvus). C. R. Acad. Sci., Paris, 288:1627-1630.
- 1980 Jungers, W. L. and P. D. Gingerich. Supernumerary molars in Anthropeoidea, Adapidae and Archaeolemur: Implications for primate dental homologies. Amer. J. Phys. Anthrop., 52:1-5.

- 1980 Stern, J. T., Jr., J. P. Wells, W. L. Jungers, A. K. Vangor and J. G. Fleagle. An electromyographic study of the pectoralis major in Atelines and Hylobates, with special reference to the evolution of a pars clavicularis. *Amer. J. Phys. Anthrop.*, 52:13-25.
- 1980 Stern, J. T., Jr., J. P. Wells, W. L. Jungers, and A. K. Vangor. An electromyographic study of serratus anterior in atelines and Alouatta: Implications for hominoid evolution. *Amer. J. Phys. Anthrop.*, 52:323- 334.
- 1980 Jungers, W. L. and J. T. Stern, Jr. Telemetered electromyography of forelimb muscle chains in gibbons (Hylobates lar). *Science*, 208:617-619.
- 1980 Jungers, W. L., F. K. Jouffroy and J. T. Stern, Jr. Gross structure and function of the quadriceps femoris in Lemur fulvus: An analysis based on telemetered electromyography. *J. Morphology*, 164:287-299.
- 1980 Jungers, W. L. Adaptive diversity in subfossil Malagasy prosimians. *Z. Morph. Anthrop.*, 71:177-186. Reprinted in: Primate Evolution and Human Origins. R. L. Ciochon and J. G. Fleagle, eds. Benjamin Cummings, Menlo Park, CA, pp. 78-82.
- 1980 Jungers, W. L. and J. G. Fleagle. Postnatal growth allometry of the extremities in Cebus albifrons and Cebus apella: A longitudinal and comparative study. *Amer. J. Phys. Anthrop.*, 53:471-478.
- 1981 Jungers, W. L. and R. F. German. Ontogenetic and interspecific skeletal allometry in non-human primates: bivariate versus multivariate analysis. *Amer. J. Phys. Anthrop.*, 5:195-202.
- 1981 Susman, R. L. and W. L. Jungers. Comment on "Bonobos: Generalized hominid prototype or specialized insular dwarfs?" by S. J. Johnson. *Current Anthrop.*, 22:369-370.
- 1981 Fleagle, J. G., J. T. Stern, Jr., W. L. Jungers, R. L. Susman, A. K. Vangor and J. P. Wells. Climbing: A biomechanical link with brachiation and bipedalism. In: *Vertebrate Locomotion*, Symp. Zool. Soc. Lond., (M. H. Day, ed.), Academic Press, London, 48:359-375.
- 1981 Jungers, W. L. and J. T. Stern, Jr. Preliminary electromyographic analysis of brachiation in gibbon and spider monkey. *International J. Primatol.* 2:19-33.
- 1982 Susman, R. L., W. L. Jungers and J. T. Stern, Jr. The functional morphology of the accessory interosseus muscle in the gibbon hand: determination of locomotor and manipulatory compromise. *J. Anat. (London)*, 134:111-120.
- 1982 Fleagle, J. G. and W. L. Jungers. Fifty years of higher primate phylogeny. In: *A History of American Physical Anthropology*. (F. Spencer, ed.), Academic Press, NY, pp. 187-230.
- 1982 Jungers, W. L. Lucy's limbs: skeletal allometry and locomotion in Australopithecus afarensis (A.L. 288-1). *Nature* 297:676-678.
- 1982 Konstant, W. R., J. T. Stern, Jr., J. G. Fleagle and W. L. Jungers. The function of the subclavius muscle in a nonhuman primate, the spider monkey (Ateles). *Folia primatol.* 38:170-182.
- 1983 Jungers, W. L., J. T. Stern, Jr., and F. K. Jouffroy. Functional morphology of quadriceps femoris in primates: a comparative anatomical and experimental analysis. *Ann. Sci. Natur. Zool. Paris*, 5:101-

- 1983 Jouffroy, F. K., H. Ishida and W. L. Jungers. Les systemes locomoteurs chez les Primates: hommage a Joh. A. Borelli (1608-1679). *Ann. Sci. Natur. Zool. Paris*, 5:53-65.
- 1983 Jungers, W. L. and J. T. Stern, Jr. Body proportions, skeletal allometry and locomotion in the Hadar hominids: a reply to Wolpoff. *J. Human Evol.*, 12:673-684.
- 1984 Hollihn, U. and W. L. Jungers. Kinesiologische Untersuchungen zur Brachiation bei Weiss-handgibbons (*Hylobates lar*). *Z. Morph. Anthropol.*, 74:275-293.
- 1984 Jungers, W. L. and R. L. Susman. Body size and skeletal allometry in African apes. *In*: *The Pygmy Chimpanzee: Evolutionary Morphology and Behavior*. (R. L. Susman, ed.). Plenum Publishing Co., N.Y.
- 1984 Jungers, W. L. Aspects of size and scaling in primate biology with special reference to the locomotor skeleton. *Yearbook of Phys. Anthrop.* (1984), 27:73-97.
- 1984 Jungers, W. L. Scaling of the hominoid locomotor skeleton with special reference to lesser apes. *In*: *The Lesser Apes: Evolutionary and Behavioral Biology*. (H. Preuschoft, D. Chivers, W. Brockelman and N. Creel, eds.), Edinburgh Press, pp. 146-169.
- 1984 Jungers, W. L. and J. T. Stern, Jr. Kinesiological aspects of brachiation in white-handed gibbons (*Hylobates lar*). *In*: *The Lesser Apes: Evolutionary and Behavioural Biology*. (H. Preuschoft, D. Chivers, W. Brockelman, and N. Creel, eds.), Edinburgh Press, pp. 119-134.
- 1984 Susman, R. L., J. T. Stern, Jr., and W. L. Jungers. Arboreality and bipedality in the Hadar hominids. *Folia primatol.*, 43:113-156.
- 1985 Jungers, W. L. Body size and scaling of limb proportions in primates. *In*: *Size and Scaling in Primate Biology*. (W. L. Jungers, ed.), Plenum Publishing Co., NY, pp. 345-381.
- 1985 Jungers, W. L. and F. Anapol. Interlimb coordination and gait in the brown lemur (*Lemur fulvus*) and the talapoin monkey (*Miopithecus talapoin*). *Amer. J. Phys. Anthrop.* 67:89-97.
- 1985 Susman, R. L., J. T. Stern, Jr. and W. L. Jungers. Locomotor adaptations in the Hadar hominids. *In*: *Ancestors: The Hard Evidence* (E. Delson, ed.), Alan R. Liss, NY, pp. 184-192.
- 1985 Schaffler, M. B., D. B. Burr, W. L. Jungers and C. B. Ruff. Structural and mechanical indicators of limb specialization in primates. *Folia primatol.* 45:61-75.
- 1986 Anapol, F. C. and W. L. Jungers. Architectural and histochemical diversity within the quadriceps femoris of the brown lemur (*Lemur fulvus*). *Am. J. Phys. Anthrop.*, 69:355-375.
- 1986 Jungers, W. L. and F. E. Grine. Dental trends in the australopithecines: the allometry of mandibular molar dimensions. *In*: *Major Topics in Primate and Human Evolution*. (B. Wood, L. Martin and P. Andrews, eds.). Cambridge Univ. Press, Cambridge, pp. 203-219.
- 1986 Smith, R. J., R. Z. German and W. L. Jungers. Variability of biological similarity criteria. *J. Theor. Biol.* 118:287-293.
- 1986 Grine, F. E., G. Fosse, D. W. Krause and W. L. Jungers. Analysis of enamel ultrastructure in

- archeology: the identification of Ovis aries and Capra hircus dental remains. *J. Archeol. Sci.* **13**:579-595.
- 1987 Grine, F. E., D. W. Krause, G. Fosse, and W. L. Jungers. Analysis of individual, intraspecific and interspecific variability in quantitative parameters of caprine tooth enamel structure. *Acta Odontologica Scand.* **45**:1-23.
- 1987 Anapol, F. C. and W. L. Jungers. Telemetered electromyography of the fast and slow extensors of the leg of the brown lemur (Lemur fulvus). *J. Exp. Biol.* **130**:341-358.
- 1987 Jungers, W. L. Body size and morphometric affinities of the appendicular skeleton in Oreopithecus bambolli (IGF 11778). *J. Human Evol.* **16**:445- 456.
- 1988 Jungers, W. L. and S. E. Hartman. Relative growth of the locomotor skeleton in orangutans and other large-bodied hominoids. *In: Orangutan Biology* (J. H. Schwartz, ed.). pp. 380-395 Oxford University Press, Oxford.
- 1988 Jungers, W. L. Relative joint size and hominoid locomotor adaptations with implications for the evolution of hominid bipedalism. *J. Human Evol.* **17**:247-265.
- 1988 Gebo, D. L., K. C. Beard, M. F. Teaford, A. Walker, S. G. Larson, W. L. Jungers and J. G. Fleagle. A Hominoid proximal humerus from the Early Miocene of Rusinga Island, Kenya. *J. Human Evol.* **17**:393-401.
- 1988 Jungers, W. L. Lucy's length: stature reconstruction in Australopithecus afarensis and implications for other small-bodied hominoids. *Amer. J. Phys. Anthrop.* **76**:227-231.
- 1988 Shapiro, L. J. and W. L. Jungers. Back muscle function during bipedal walking in chimpanzee and gibbon: implications for the evolution of human locomotion. *Amer. J. Phys. Anthrop.* **77**:201-212.
- 1988 Jungers, W. L., T. M. Cole, III, and D. W. Owsley. Multivariate analysis of relative growth in the limb bones of Arikara Indians. *Growth, Development and Aging* **52**:103-107.
- 1989 Jungers, W. L. New estimates of body size in australopithecines from Hadar and South Africa. *In: F. E. Grine (ed.), Evolutionary History of the Robust Australopithecines.* pp. 115-125. Aldine DeGruyter, NY.
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