

CURRICULUM VITAE

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Education

B.A. University of Texas, Austin, 1975 (Anthropology)

M.A. University of Michigan, Ann Arbor, 1976 (Anthropology)

Ph.D. University of Michigan, Ann Arbor, 1983 (Anthropology)

Employment

Research Assistant (1978-83) and Research Investigator (1983-84) in the Center for Human Growth and Development, the University of Michigan (with Stanley M. Garn).

Visiting Assistant Professor in the Department of Anthropology, Arizona State University, academic year 1984-85.

Assistant Research Scientist in the University of Michigan Museum of Anthropology, 1983-88.

Associate Research Scientist in the University of Michigan Museum of Anthropology, now the Museum of Anthropological Archaeology, 1989-present.

Research Professor in the Department of Anthropology, The George Washington University, March 1, 2018

Teaching Experience

Teaching Fellow for Statistics 402, "Statistics and Data Analysis," The University of Michigan, two terms 1976-77

Teaching Fellow for Anthropology 131, "Introduction to Biological Anthropology," The University of Michigan, three terms, 1977-78

Anthropology 101, "Human Origins and Development of Culture," Arizona State University, two terms, 1984-85

Anthropology 452, "Dental Anthropology," Arizona State University, 1984

Anthropology 591, "Primate Evolution," Arizona State University, 1985

Visiting lecturer in Occlusion 523, "Development of Occlusion," University of Michigan Dental School, 1991-94

Visiting lecturer in University of Michigan classes:

Anthropology 570, 2009

Geology 438 "Primate Evolution" 2010

Geology 100 "Primate Evolution" 2010-2012 (substituted January-February, 2012)
 Anthropology 399 Anthro-Bio Honors Independent Study, 4 terms, 2013-2014

Research Support

National Science Foundation Dissertation Improvement Award BNS-7921733 for project entitled "Interpreting Patterns of Human Tooth Wear"-- \$4,852.

National Science Foundation Award BNS-8406421 for project entitled "Quantitative Analysis of Dental Attrition"-- \$39,995.

National Science Foundation Award BNS-8717738 for project entitled "Dental Development in Monkeys, Apes, and Humans"-- \$31,014.

National Science Foundation Award BNS-9020974 for project entitled "Evolution of Dental Development in Anthropoid Primates"-- \$45,306.

University of Michigan Office of the Vice-President for Research; 1993 award in support of project entitled "The Dentition in the Evolution of Life History"-- \$2,880

National Science Foundation Award SBR-9408408 for project entitled "The Dentition in the Evolution of Life History"-- \$50,458.

Dissertation

1983 *Dental Attrition in Hunter-Gatherers and Agriculturalists*. C. Loring Brace, Chairman; 284 pp.

Professional Memberships

American Association of Physical Anthropologists

Dental Anthropology Association

International Association of Paleontology

Professional Service

Associate Editor, *American Journal of Physical Anthropology* 1987-92

Secretary-Treasurer, Dental Anthropology Association 1988-90

Associate Editor, *Journal of Human Evolution* 1990-93

Advisory panel member, National Science Foundation Directorate for Biological, Behavioral and Social Sciences 1990-92

Student Prize Committee, American Association of Physical Anthropologists annual meeting, 1993

Associate Editor, *Evolutionary Anthropology* 1995-97

Advisory panel member, National Science Foundation Directorate for Social, Behavioral and Economic Sciences: Six panels bridging 2014, 2015, and 2016

Steering Committee member, Dental Anthropology Association, spring, 2017

Faculty Science Advisory Committee member, University of Michigan Museum of Natural History; three year term (2017-2019)

Scientific panel member, 17th International Symposium on Dental Morphology, meeting in Bordeaux, France, October 4-7, 2017

Prize committee, 17th International Symposium on Dental Morphology, meeting in Bordeaux, France, October 4-7, 2017

Workshop Committee member, Dental Anthropology Association, spring, 2018

Forensic work

Expert opinion for the Office of the Siskiyou County Public Defender, California, March, 1992.

Assessed dental development of an immigrant to determine whether ID birth date of 18 could

be in serious error, in turn, whether the accused was a juvenile or adult at the time the crime, a death penalty offense.

Students

Supervisor for undergraduate anthropology honor student:

Ali Rae Cohen (BS with high honors, 2014)

Graduate Committee member or co-chair for:

Alice Hauessler, Department of Anthropology, Arizona State University (Ms. 1985)

Argyro Polychronopoulos, University of Michigan School of Dentistry (Ms. 1989)

Robert L. Tompkins, Department of Anthropology, University of New Mexico (Ph.D. 1991)

Tracey L. Crummett, Department of Anthropology, University of Michigan (Ph.D. 1994)

Kari L. Brandt, Department of Anthropology, University of Michigan (Ph.D. 1996) (co-chair)

Lauren Sarringhaus, Department of Anthropology, University of Michigan (Ph.D. 2012)

Maire Malone, Department of Anthropology, University of Michigan, current

Susan Dykes, Evolutionary Studies Institute, University of the Witwatersrand, South Africa
(examiner Ph.D. thesis)

Field and Museum Work

Member, University of Michigan paleontological expedition to the Bighorn Basin, Wyoming directed by Philip D. Gingerich, summer 1976-77 and 1982-90.

Member, Duke University paleontological expedition to the Fayum, Egypt directed by Elwyn L. Simons, fall 1983, 1985, 1987, 1989, 1991, with expeditions to Wadi el Hitan (Valley of Whales).

Dental research on U.S. human skeletal collections 1979-80: Arizona State University, Smithsonian Institution, University of Alabama.

Dental research on European human skeletal collections 1980, 1985: British Museum of Natural History, Duckworth Laboratory at Cambridge University, Musée de l'Homme, Institut Paleontologie Humaine, University of Edinburgh, University of Copenhagen.

Dental research on African fossil hominids 1985: Kenya National Museums, Transvaal Museum, University of the Witwatersrand.

Dental research on fossil and modern anthropoids 1985-89: British Museum of Natural History, Musée Royal de l'Afrique Centrale, Kenya National Museums, Peabody Museum of Harvard University, Université de Poitiers, University of Washington.

Dental research on radiographic collections 1989: great apes (British Museum of Natural History) and macaques (University of Washington).

Dental research on human dental development at Spitalfields: Natural History Museum, London, May 2005.

Paleontological research at the Steinman-Institut für Geologie, Mineralogie und Paläontologie, Universität Bonn, Germany, Autumn 2006, August 2007-2010.

Paleontological research on Messel fossils at the Forschungsinstitut Senckenberg, Frankfurt, Germany, August 2008

Dental research on Taï Forest chimpanzee collection; Max Planck Institute for Evolutionary Anthropology: November 2006, August 2007, August 2009.

Dental research: pilot study of dental development of newborn mammals; Chicago Field Museum of Natural History, March, 2014.

Participating faculty and host, short field course in Eocene paleontology, for master's students at the University of Bonn, Germany, organized by Dr. Carole Gee, Steinmann Institut, Bonn, 23 August - 9 September, 2016.

Invited Lectures

- Arizona State University, Department of Anthropology; February, 1986.
 State University of New York at Stony Brook, Department of Anatomical Sciences, School of Medicine; October, 1987.
 Swedish Royal Academy of Sciences, Wenner Gren conference “Behaviour of the Earliest Hominids,” Stockholm; March, 1988.
 University College London, Department of Anatomy and Developmental Biology; November, 1988.
 University of Washington, Department of Anthropology, Seattle; March, 1989.
 State University of New York at Stony Brook, Department of Anatomical Sciences, School of Medicine; June, 1989.
 Arizona State University, Department of Anthropology; March, 1990.
 University of Arizona, Department of Anthropology, Tucson; March, 1990.
 Washington University, Department of Anthropology, St. Louis; February 2, 1993.
 Duke University, Department of Biological Anthropology and Anatomy, Durham; February 4, 1994.
 University of Michigan, “Learning in Retirement” Distinguished Lecturer Series; September, 1997.
 Complutense University Madrid, conference, “La Vida en la Prehistoria: La Paleobiología de Nuestros Antepasados,” organized by L. Aiello and J. L. Arsuaga. San Lorenzo de El Escorial, Spain; August 10-14, 1998.
 University of Tennessee, Department of Anthropology and class guest lecture, September, 1998.
 Max Planck Institute for Evolutionary Anthropology, “Dental Tissues Workshop,” Leipzig, Germany; September 20-23, 2006.
 International Society of Dental Morphology, special opening lecture “Three Greats of Dental Anthropology,” Griefswald, Germany; August 27, 2008.
 Natural History Museum of Oslo, Speaker in symposium “The Science Behind Ida” (*Darwinius masillae*); November 7, 2009 [HTTP://WWW.NHM.UIO.NO/ENGLISH/COLLECTIONS/IDA/SEMINAR/](http://www.nhm.uio.no/english/collections/ida/seminar/).
 Arizona State University Institute of Human Origins and Center for Evolution and Medicine; February 5, 2015 <https://evmed.asu.edu/cem-seminar-b-holly-smith>.
 Dental Anthropology Association Workshop, special closing lecture, “Reading Teeth: 1980-2016,” April 13, 2016, Atlanta, Georgia.
 University of Nebraska-Lincoln, “Teeth are Woven into Life History,” Department of Anthropology, February 23, 2018.
 University of Kent, Skeletal Biology Research Centre, inaugural lecture for the public, scheduled for September 13, 2018, Canterbury, UK.

LIST OF PUBLICATIONS

Links to University of Michigan’s “Deep Blue” will bring up the abstract; the “**View/Open**” link at the bottom right of the abstract will bring up the entire publication.

Published Articles [♦ ≥ 100citations]

- 1979 Rose, K. D. and B. H. Smith. Dental anomaly in the early Eocene condylarth *Ectocion*. *Journal of Paleontology* 53(3):756-760. [DEEPBLUE](#)
- 1979 Garn, S. M., P. E. Cole and B. H. Smith. The effect of sample size on crown size asymmetry. *Journal of Dental Research* 58(10):2012.

- 1980 Garn, S. M., B. H. Smith and P. E. Cole. Correlations between root length and face size. *Journal of Dental Research* 59(2):141. [DEEP BLUE](#)
- 1980 Garn, S. M. and B. H. Smith. Developmental communalities in tooth emergence timing. *Journal of Dental Research* 59(7):1178.
- 1980 Garn, S. M. and B. H. Smith. A mandibular-maxillary precedence field in tooth emergence timing. *Journal of Dental Research* 59(9):1525.
- 1980 Garn, S. M. and B. H. Smith. Patterned asymmetry in tooth emergence timing. *Journal of Dental Research* 59(9):1526-1527.
- 1980 Garn, S. M. and B. H. Smith. Eruption sequence similarities in the maxilla and mandible. *Journal of Dental Research* 59(9):1534. [JOURNAL OF DENTAL RESEARCH](#)
- 1981 Garn, S. M., B. H. Smith and R. E. Moyers. Structured (patterned) dimensional and developmental dental asymmetry. *Proceedings of the Finnish Dental Society* 77:33-36.
- 1981 Brace, C. L., A. S. Ryan and B. H. Smith. Comment on: Tooth wear in La Ferrassie Man, by P. F. Puech. *Current Anthropology* 22(4):424-430.
- 1982 Gingerich, P. D., B. H. Smith and K. Rosenberg. Allometric scaling in the dentition of primates and prediction of body weight from tooth size in fossils. *American Journal of Physical Anthropology* 58(1):81-100. [DEEP BLUE](#) ♦♦♦
- 1982 Smith, B. H., S. M. Garn and P. E. Cole. Problems of sampling and inference in the study of fluctuating dental asymmetry. *American Journal of Physical Anthropology* 58(2):281-289. [DEEP BLUE](#)
- 1984 Smith, B. H. Patterns of molar wear in hunter-gatherers and agriculturalists. *American Journal of Physical Anthropology* 63(1):39-56. [DEEP BLUE](#) ♦♦♦♦♦♦♦♦
- 1984 Garn, S. M., B. H. Smith and M. LaVelle. Applications of pattern profile analysis to malformations of the head and face. *Radiology* 150:683-690.
- 1985 Gingerich, P. D. and B. H. Smith. Allometric scaling in the dentition of primates and insectivores. In: W. L. Jungers (editor), *Size and Scaling in Primate Biology*. New York: Plenum, pp. 257-272. [RESEARCHGATE](#) ♦
- 1985 Garn, S. M., M. LaVelle and B. H. Smith. Quantification of dysmorphogenesis: pattern variability index. *American Journal of Roentgenology* 144:365-369. [RESEARCHGATE](#)
- 1986 Smith, B. H. Development and evolution of the helicoidal plane of dental occlusion. *American Journal of Physical Anthropology* 69(1)21-35. [DEEP BLUE](#)
- 1986 Smith, B. H., S. M. Garn and W. S. Hunter. Secular trends in face size. *Angle Orthodontist* 56(3):196-204. [ANGLE ORTH](#)

- Translated and reprinted in 1991 as: Säkulare Trends der Gesichtsdimensionen. *Orthodontie und Kieferorthopädie* 23:153-161.
- 1986 Smith, B. H. Dental development in *Australopithecus* and early *Homo*. *Nature* 323:327-330. [DEEP BLUE](#) ♦♦
- 1987 Smith, B. H. Reply to: Maturational patterns in early hominids, by A. E. Mann, M. Lampl and J. Monge. *Nature* 328:674-675.
- 1987 Smith, B. H. and S. M. Garn. Polymorphisms in eruption sequence of permanent teeth of American children. *American Journal of Physical Anthropology* 74(3):289-303. [DEEP BLUE](#)
- 1989 Smith, B. H. Dental development as a measure of life history in primates. *Evolution* 43(3):683-688. [RESEARCHGATE](#) ♦♦♦
- 1989 Smith, B. H. Growth and development and its significance for early hominid behaviour. *Ossa* 14:63-96. [RESEARCHGATE](#)
- 1990 Smith, B. H. The cost of a large brain [Comment on: Brain evolution in *Homo*: the “radiator” theory, by Falk]. *Behavioral and Brain Sciences* 13(2):365. [RESEARCHGATE](#)
- 1990 Smith, B. H. Review of “*Evolutionary History of the ‘Robust’ Australopithecines*,” edited by F. L. Grine. *Quarterly Review of Biology* 65(2):215.
- 1990 Gingerich, P. D., B. H. Smith and E. L. Simons. Hind limbs of Eocene *Basilosaurus*: evidence of feet in whales. *Science* 249:154-157. [REQUEST PDF](#) ♦♦
- 1991 Smith, B. H. Standards of human tooth formation and dental age assessment. In: M. A. Kelley and C. S. Larsen (editors) “*Advances in Dental Anthropology*.” New York: Wiley-Liss, pp. 143-168. [RESEARCHGATE](#) ♦♦♦♦♦
- 1991 Smith, B. H. Dental development and the evolution of life history in Hominidae. *American Journal of Physical Anthropology* 86(2):157-174. [DEEP BLUE](#) ♦♦
- 1992 Smith, B. H. Life history and the evolution of human maturation. *Evolutionary Anthropology* 1(4):134-142. [DEEP BLUE](#) ♦♦
- 1993 Smith, B. H. The physiological age of KNM-WT 15000. In: A. Walker and R. Leakey (editors) “*The Nariokotome Homo erectus Skeleton*.” Cambridge: Harvard University Press, pp. 195-220. [RESEARCHGATE](#) ♦
- 1994 Smith, B. H. Sequence of emergence of the permanent teeth in *Macaca*, *Pan*, *Homo*, and *Australopithecus*: Its evolutionary significance. *American Journal of Human Biology*, 6(1):61-76. [DEEP BLUE](#)
- 1994 Smith, B. H. Patterns of dental development in *Homo* compared to *Australopithecus*, *Pan*, and *Gorilla*. *American Journal of Physical Anthropology* 94(3):307-325. [DEEP BLUE](#) ♦

- 1994 Smith, B. H., T. L. Crummett and K. L. Brandt. Ages of eruption of primate teeth: A compendium for aging individuals and comparing life histories. *Yearbook of Physical Anthropology* 37:177-231. [DEEP BLUE](#) ♦♦
- 1995 Smith, R. J., P. J. Gannon and B. H. Smith. Ontogeny of australopithecines and early *Homo*: Evidence from cranial capacity and dental eruption. *Journal of Human Evolution* 29:155-168. [RESEARCHGATE](#)
- 1995 Smith, B. H. and R. L. Tompkins. Toward a life history of the Hominidae. *Annual Review of Anthropology* 24:257-79. [RESEARCHGATE](#) ♦♦
- 1996 Bogin, B. and B. H. Smith. The evolution of the human life cycle. *American Journal of Human Biology* 8:703-716. [DEEP BLUE](#) ♦♦♦
- 1998 Smith, B. H. Review of: *The Evolving Female: A Life-History Perspective* edited by M. E. Morbeck, A. Galloway, and A. L. Zihlman. *American Scientist* 86:382-383. AMERICANSCHIENTIST.ORG/BOOKSHELF/PUB/LIFE-HERSTORY
- 1999 Smith, B. H. Comment on "The raw and the stolen: Cooking and the ecology of human origins," by R. W. Wrangham, J. H. Jones, G. Laden, D. Pilbeam, and N. Conklin-Brittain. *Current Anthropology* 40(5):585-586.
- 2000 Smith, B. H. "Schultz's Rule" and the evolution of tooth replacement patterns in primates and ungulates. In: M. Teaford, M. Smith, and M. W. J. Ferguson (editors), "*Development, Function and Evolution of Teeth.*" Cambridge: Cambridge University Press, pp. 212-227. [RESEARCHGATE](#)
- 2000 Bogin, B. and B. H. Smith. Evolution of the human life cycle. In: S. Stinson, B. Bogin, R. Huss-Ashmore and D. O'Rourke (editors), *Human Biology: An Evolutionary and Biocultural Perspective*. New York: Wiley-Liss, pp. 377-424. [DEEP BLUE](#)
- 2004 Smith, B. H. The paleontology of growth and development. Review of J. L. Thompson, G. E. Krovitz and A. J. Nelson (editors), "*Patterns of Growth and Development in the Genus Homo.*" *Evolutionary Anthropology* 13:239-241. [DEEP BLUE](#)
- 2007 Koenigswald, W. v., B. H. Smith and T. Keller. Supernumerary teeth in a subadult rhino mandible (*Stephanorhinus hundsheimensis*) from the middle Pleistocene of Mosbach in Wiesbaden (Germany). *Paläontologische Zeitschrift* 81(4):416-428.
- 2009 Gingerich, P.D., M. ul-Haq, W. v. Koenigswald, W. J. Sanders, B. H. Smith and I. S. Zalmout. Birth, development, and sexual dimorphism in a protocetid whale from the Eocene of Pakistan. *PLoS ONE* 4(2): e4366. doi:10.1371. [OPEN ACCESS](#)
- 2009 Smith, B. H., A. R. Frisancho and S. M. Bailey. Obituary: Stanley Marion Garn 1926-2007. *American Journal of Physical Anthropology* 138(4):371-374. [DEEP BLUE](#)
- 2009 Franzen, J. L., P. D. Gingerich, J. Habersetzer, J. H. Hurum, W. v. Koenigswald and B. H. Smith. Complete primate skeleton from the Middle Eocene of Messel in Germany: Morphology and paleobiology. *PLoS ONE* 4(5): e5723, pp 1-27. doi:10.1371. [OPENACCESS](#) ♦

- 2009 Dean, M. C. and B. H. Smith. Growth and development of the Nariokotome youth, KNM-WT 15000. In: F. E. Grine, J. G. Fleagle and R. F. Leakey (editors), *“The First Humans: Origin of the Genus Homo.”* New York: Springer, pp. 101-120. [REQUEST PDF](#) ♦
- 2009 Koppe, T., G. Meyer, K. Alt, A. Brook, M. C. Dean, I. Kjaer, J. R. Lukacs, B. H. Smith and M. F. Teaford (editors), *“Comparative Dental Morphology.”* Frontiers of Oral Biology, volume 13. Karger. [RESEARCHGATE](#)
- 2009 Smith, B. H. Dental evolution: An introduction. In: Koppe, T., G. Meyer, K. Alt, A. Brook, M. C. Dean, I. Kjaer, J. R. Lukacs, B. H. Smith and M. F. Teaford (editors), *“Comparative Dental Morphology,”* Frontiers of Oral Biology, volume 13. Karger, pp 1-2. [RESEARCHGATE](#)
- 2010 Smith, T M., B. H. Smith, D. J., Reid, H. Siedel, L. Vigilant, J.-J. Hublin and C. Boesch. Dental development of the Tai forest chimpanzees revisited. *Journal of Human Evolution* 58:363-373. [OPEN ACCESS](#)
- 2010 Gingerich, P. D., J. L. Franzen, J. Habersetzer, J. H. Hurum and B. H. Smith. *Darwinius masillae* is a haplorhine—Reply to Williams et al. (2010). *Journal of Human Evolution* 59(5):574-579. [OPEN ACCESS](#)
- 2010 Liversidge, H. M., B. H. Smith and M. Maber. Bias and accuracy of age estimation using developing teeth in 946 children. *American Journal of Physical Anthropology* 143:545-554.
- 2010 Gingerich, P. D. and B. H. Smith. Premolar development and eruption in the early Eocene adapoids *Cantius ralstoni* and *Cantius abditus* (Mammalia, Primates). Contributions from the Museum of Paleontology, University of Michigan 32(3):41-47. [DEEP BLUE](#)
- 2010 Smith, B. H. and C. Boesch. Mortality and magnitude of the “wild effect” in chimpanzee tooth emergence. *Journal of Human Evolution* 60(1):34-46. [DEEP BLUE](#)
- 2011 Anders, U., W. von Koenigswald, I. Ruf and B. H. Smith. Generalized individual dental age stages (IDAS) for fossil and extant placental mammals. *Paläontologische Zeitschrift* 85(3):321-339; *Erratum* p. 341.
- 2011 Smith, B. H. “Dental Development” in *The Wiley-Blackwell Encyclopedia of Human Evolution*, B. A. Wood (editor), pp. 189-90.
- 2012 Bogin, B. and B. H. Smith. Evolution of the human life cycle. In: S. Stinson, B. Bogin, R. Huss-Ashmore and D. O’Rourke (editors), *Human Biology: An Evolutionary and Biocultural Perspective*, Second edition. New York: Wiley-Blackwell.
- In Press* 2018 “Dental Development, human,” in Wenda Trevathan (editor), *The International Encyclopedia of Biological Anthropology*, John Wiley & Sons, Inc. 1000 words.
- In Press* 2018 “Swindler, Daris,” in Wenda Trevathan (editor), *The International Encyclopedia of Biological Anthropology*, John Wiley & Sons, Inc. 1000 words.

In Press 2018 “Life History: Evolution of infancy, childhood, and adolescence,” in Hilary Callan (editor) *The International Encyclopedia of Anthropology*. Wiley-Blackwell, 5000 words.

In revisions: “Teeth are woven into life history,” *Evolutionary Anthropology*.

Published Abstracts

- 1980 Gingerich, P. D., B. H. Smith and K. Rosenberg. Patterns of allometric scaling in the primate dentition and prediction of body size from tooth size. *American Journal of Physical Anthropology* 52(2):231-232 (abstract).
- 1980 Smith, B. H., S. M. Garn, P. E. Cole and R. H. Osborne. Problems of sampling and inference in “fluctuating dental asymmetry.” *American Journal of Physical Anthropology* 52(2):280-281 (abstract).
- 1981 Smith, B. H. Cultural correlations with occlusal wear plane differences. *American Journal of Physical Anthropology* 54(2):279 (abstract).
- 1982 Smith, B. H. Is there a human pattern of tooth wear? *American Journal of Physical Anthropology* 58(2):229 (abstract).
- 1983 Smith, B. H. Dental Attrition in Hunter-Gatherers and Agriculturalists. Ph.D. thesis, University of Michigan, *Dissertation Abstracts International* 44(2).
- 1983 Smith, B. H. Hominid attrition and occlusion at third molars: understanding the helicoidal plane. *American Journal of Physical Anthropology* 60(2):255 (abstract).
- 1984 Smith, B. H. Rates of molar wear: implications for developmental timing and demography in human evolution. *American Journal of Physical Anthropology* 63(2):220 (abstract).
- 1987 Gingerich, P. D. and B. H. Smith. Early *Homo* from Member 1, Swartkrans. *American Journal of Physical Anthropology* 72(2):203-204 (abstract).
- 1987 Smith, B. H. Dental development in fossil hominids. *American Journal of Physical Anthropology* 72(2):255 (abstract).
- 1988 Smith, B. H. New evidence on dental development in *Pan troglodytes*. *American Journal of Physical Anthropology* 75(2):272 (abstract).
- 1989 Smith, B. H. Dental development as a measure of life history in primates and in hominids. *American Journal of Physical Anthropology* 78(2):304 (abstract).
- 1990 Smith, B. H. KNM-WT 15000 and the life history of *Homo erectus*. *American Journal of Physical Anthropology* 81(2):296 (abstract).
- 1990 Gingerich, P. D. and B. H. Smith. Forelimb and hand of *Basilosaurus isis* (Mammalia, Cetacea) from the middle Eocene of Egypt. *Journal of Vertebrate Paleontology* 10 (suppl. 3):24A (abstract).
- 1991 Smith, B. H. Age of weaning approximates age of emergence of first permanent molar in nonhuman primates. *American Journal of Physical Anthropology* suppl. 12:163-164 (abstract) [most cited].**
- 1992 Smith, B. H. Human growth and development in the fossil record. *American Journal of Physical Anthropology* suppl. 14:152-153 (abstract).
- 1992 Smith, B. H. Sequence of tooth eruption in primates and other mammals. *Journal of Vertebrate Paleontology* 12(3):52A (abstract).
- 1993 Smith, B. H. Rate and pattern in development: perspective from primate life history. *American Journal of Physical Anthropology* suppl. 16:182 (abstract).
- 1994 Smith, B. H. and B. Bogin. The evolution of life cycle and life span. *American Journal of Physical Anthropology*, suppl. 18:182 (abstract).
- 1995 Smith, B. H., K. L. Brandt and R. L. Tompkins. Developmental age of the KNM-WT 15000 *Homo erectus* in broad perspective. *American Journal of Physical Anthropology*, suppl. 20:196-197 (abstract).
- 1999 Brandt, K. L., and B. H. Smith. The depth of dentin exposure and diet. *American Journal of Physical Anthropology* (abstract). 108 (S28).
- 2006 Smith, B. H. Signal and variation in life-history data. Dental Tissues Workshop: 2-D and 3-D insights into human evolution. Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany, p, 30.
- 2009 Liversidge, H., B. H. Smith, and M. Maber. Estimating age from developing teeth: a comparison of methods. *American Journal of Physical Anthropology*, suppl. 44:269 (abstract).
- 2009 Smith, T. M., B. H. Smith, and C. Boesch. Dental development in the Tai Forest chimpanzees reappraised. *American Journal of Physical Anthropology*, suppl. 44:377 (abstract).

- 2009 Anders, U., B. H. Smith, I. Ruff and W. v. Koenigswald. Individual dental age stages in mammalian dentitions. *Society of Vertebrate Paleontology* 29:5A.
- 2010 Gingerich, P. D., J. Franzen, J. Habersetzer, J. Hurum and B. H. Smith. Systematic position of the Eocene primate *Darwinius masillae*. *Journal of Vertebrate Paleontology* (abstract).
- 2010 Smith, B. H. and C. Boesch. Magnitude of the “wild effect” in tooth emergence in chimpanzees of the Tai and Gombe forests. *American Journal of Physical Anthropology* S50:219 (abstract).
- 2012 Smith, B. H. Weaning and tooth emergence in a seasonal world: Implications for primate evolution. *American Journal of Physical Anthropology* 147:272 (abstract).
- 2013 Liversidge, H and B. H. Smith. Nolla’s longitudinal dental study revisited. *American Journal of Physical Anthropology*, S58: 171(abstract).
- 2014 Smith, B. H. Mapping life stages in the mammalian dentition. *Bulletin of the International Association of Paleodontology* 8(1):91.
- 2017 Smith, B. H. Tooth emergence as a significant event in life history. <https://isdmsciencesconf.org/resource/page/id/11>

Session Chair/Symposium Discussant

- Session chair “Paleoanthropology 3: *Homo*,” 59th meeting of the American Association of Physical Anthropologists, Miami, FL, April 6, 1990.
- Session chair, “Teeth, Hi-Tech and Romer Prize Session,” 52nd annual meeting of the Society of Vertebrate Paleontology, Toronto, Ontario, October, 1992.
- Session chair, “Dental Evolution,” 15th International Symposium on Dental Morphology, meeting in Griefswald, Germany, August, 2011.
- Discussant, poster session “Paleodemography,” 82nd annual meeting of the American Association of Physical Anthropologists, Knoxville, TN, April 2013.
- Session chair, 16th International Symposium on Dental Morphology, Newcastle, UK, September, 2014.
- Session chair, “Evolution in Deep Time,” 17th International Symposium on Dental Morphology, Bordeaux, France, October 4, 2017.
- Discussant, poster session, “Tooth wear in evolutionary and biocultural perspectives,” 87th meeting of the American Association of Physical Anthropologists, scheduled for April, 2018 in Austin, Texas.

Last update: 4/3/2018