

Anthony J. Olejniczak, Ph.D.

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Professional Appointments

- 2004 - present Academic Analytics, LLC: Chief Knowledge Officer and Director of Research & Development (co-founder).
- 2010 - 2011 Department of Anthropology, Stony Brook University, USA: Research Professor.
- 2009-2010 Centro Nacional de Investigación sobre la Evolución Humana, Grupo de Antropología Dental, Burgos, Spain: Juan de la Cierva Research Fellow.
- 2006-2009 Max Planck Institute for Evolutionary Anthropology, Department of Human Evolution, Leipzig, Germany: Post-Doctoral Researcher.
- 2001-2005 The Graduate School, Stony Brook University: Research Assistant to the Associate Provost for Analysis and Planning.

Education

- 2006 Ph.D. - Anthropological Sciences, Stony Brook University, USA. Dissertation: Micro-computed tomography of primate Molars. Ph.D. committee: Dr. Lawrence Martin (chair), Dr. Frederick Grine, Dr. Callum Ross, and Dr. Stefan Judex.
- 2004 M.A. - Anthropological Sciences, Stony Brook University, USA.
- 2000 B.S. - Anthropology, University of Wisconsin, USA.

Ph.D. Committee Membership and Mentoring Activity

2009 Feeney R.N.M., Ph.D. Dissertation: Sexual dimorphism in human dental tissue proportions, The Ohio State University.

2008 High-school practical training course in virtual dental anthropology, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany. (Student: Lisa Kraß, Johannes Kepler Gymnasium, Leipzig, Germany).

Patents and Inventions

Co-inventor (with Lawrence B. Martin, Ph.D.) System and Method for Ranking Academic Programs; Patent Number US 7,653,608 B2; issued: January 26, 2010.

Peer Review Service

American Journal of Physical Anthropology; Annals of Anatomy; Archives of Oral Biology; Journal of Human Evolution; Springer Series in Paleoanthropology.

Computer and Technical Skills

Computer/scripting languages: Objective-C, C#, ASP.NET, Visual Basic, OpenGL, AppleScript, SPSS Syntax, Microsoft VB Macro Language.

MicroCT scanner operation experience: Scanco μ CT 30, μ ct 80, vivaCT; SkyScan 1172; European Synchrotron Radiation Facility beamline 19.

Software written: Semi-automated image segmentation, automated image cropping, surface model viewer with measurement and image export capabilities, database mining tools.

Database architecture and administration: database construction (parsing, ingestion, dissemination, queries); experience with Microsoft SQL databases and MySQL+PHP.

Financial Awards and Fellowships

2009 The Pleistocene of the Sierra de Atapuerca: geology, paleontology, paleobiology, and paleoeconomy of the human populations; Spanish Ministry of Science and Innovation, Investigación Fundamental - Proyecto de Investigación Fundamental no orientada (CGL2009-12703-C03-01; €217,801).

2008 Juan de la Cierva research fellowship from the Spanish Ministry of Science and Innovation (JCI-2008-3680; €77,280).

2005 Interdepartmental Doctoral Program in Anthropological Sciences student research award (Stony Brook University): Mesiodistal and Angular Obliquity in Studies of Dental Sections.

2003 Interdepartmental Doctoral Program in Anthropological Sciences student research award (Stony Brook University): Quantification of Dentine Shape in Anthropoid Evolution.

2003 Sigma Xi Research Award: Dentine shape and the origin of bilophodont molars in cercopithecoid primates.

Archaeological Excavation Experience

2010 Sierra de Atapuerca, Spain; excavation at Gran Dolina, level TD10. 2008 Sierra de Atapuerca, Spain; excavation at Gran Dolina, level TD10.

Museum Data Collection Experience

American Museum of Natural History, New York, USA; National Museum of Natural History, Washington, D.C., USA; Field Museum of Natural History, Chicago, USA; Senckenberg Museum, Frankfurt am Main, Germany; Museum für Naturkunde, Berlin, Germany.

Workshop Participation

1. Digital tools for modeling in anatomy and evolution. Hosted by the Centro Nacional de Investigación sobre la Evolución Humana (Dr. Emiliano Bruner), 11 May 2010.
2. Dental Tissues Workshop: 2D and 3D Insights into Human Evolution. Hosted by the Max Planck Institute for Evolutionary Anthropology, Department of Human Evolution (Dr. Tanya M. Smith and Prof. Jean-Jacques Hublin), 20-23 September 2006.

Society Memberships

American Association of Physical Anthropologists; American Association for the Advancement of Science; The American Society of Mammalogists; International Association for Paleontology; Paleoanthropology Society.

Television Appearances

Giganto: the Real King Kong. Aired on The History Channel (USA) on 15 December, 2005.

Language Skills

English - Native.

German - Conversational; strong reading, writing, and speaking abilities. Spanish - Beginner level; language training is in progress.

Service and Synergistic Activities

1. American Association of Physical Anthropologists Annual Meeting Program Committee: 2009-2011.
2. American Association of Physical Anthropologists Student Prize Selection Committee: 2007-2011.
3. Co-founding member, Stony Brook University Debating Society.
4. Student appointee to the University President's Five-Year Plan Task Force, Stony Brook University.
5. Anthropology department representative to the Stony Brook University Graduate Student Senate (Fall 2001-Spring 2002).

Peer-Reviewed Research Articles*

*Number of citations at last update appears in parentheses (data via Google Scholar). Mean citations per indexed journal article = 14.4. H-index = 16.

1. Gómez-Robles A, Olejniczak AJ, Martín-Torres M, Prado-Simón L, Bermúdez de Castro J-M. 2011. Evolutionary novelties and losses in geometric morphometrics: a practical approach through hominin molar morphology. *Evolution* 65:1772-1790 (doi: 10.1111/j.1558-5646.2011.01244.x). (2)
2. Bermúdez de Castro J-M, Martín-Torres M, Gómez-Robles A, Prado-Simón L, Martín-Francés L, Lapresa M, Olejniczak AJ, Carbonell E. 2011. Early Pleistocene human mandible from Sima del Elefante (TE) cave site in Sierra de Atapuerca (Spain): a comparative morphological study. *Journal of Human Evolution* 61:12-25 (doi: 10.1016/j.jhevol.2011.03.005). (4)
3. Martín-Torres M, Martín-Francés L, Gracia A, Olejniczak AJ, Prado-Simón L, Gómez-Robles A, Lapresa M, Carbonell E, Arsuaga J-L, Bermúdez de Castro J-M. 2011. Early Pleistocene human mandible from Sima del Elefante (TE) cave site in Sierra de Atapuerca (Spain): A palaeopathological study. *Journal of Human Evolution* 61:1-11 (doi: 10.1016/j.jhevol.2011.01.004). (1)
4. Smith TM, Tafforeau P, Reid DJ, Pouech J, Lazzari V, Zermeno JP, Guatelli-Steinberg D, Olejniczak AJ, Hoffman A, Radović J, Makaremi M, Toussaint M, Stringer C, Hublin J-J. 2010. Dental evidence for ontogenetic differences between modern humans and Neanderthals. *Proceedings of the National Academy of Sciences, USA* 107:20923-20928 (doi: 10.1073/pnas.1010906107). (23)
5. Ali MM, Bhattacharyya P, Olejniczak AJ. 2010. The effects of scholarly productivity and institutional characteristics on the distribution of federal research grants. *Journal of Higher Education Research* 81:164-178 (doi:10.1353/jhe.0.0084). (2)
6. Skinner MM, Evans A, Smith T, Jernvall J, Tafforeau P, Kupczik K, Olejniczak AJ, Rosas A, Radović J, Thackeray JF, Toussaint M, Hublin J.-J. 2010. Brief Communication: Contributions of Enamel-Dentine Junction Shape and Enamel Deposition to Primate Molar Crown Complexity. *American Journal of Physical Anthropology* 142:157-163 (doi:10.1002/ajpa.21248). (2)
7. Toussaint M, Olejniczak AJ, El Zaatari S, Cattelain P, Flas D, Letourneux C, Pirson S. 2010. The Neandertal lower right deciduous second molar from Trou de l'Abîme at Couvin, Belgium. *Journal of Human Evolution* 58:56-67 (doi:10.1016/j.jhevol.2009.09.006). (2)
8. Kupczik K, Olejniczak AJ, Skinner MM, Hublin J-J. 2009. Molar crown and root size relationship in anthropoid primates. *Frontiers of Oral Biology* 13:16-22 (doi:10.1159/000242384). (1)
9. Pirson S, Cattelain P, El Zaatari S, Flas D, Letourneux C, Miller R, Olejniczak AJ, Otte M, Toussaint M. 2009. Le Trou de l'Abîme à Couvin Bilan des recherches de laboratoire avant la reprise de nouvelles fouilles en septembre 2009. *Notae Praehistoricae* 29-2009:59-75. (not indexed by Scopus)
10. Smith TM, Olejniczak AJ, Kupczik K, Lazzari V, de Vos J, Kullmer O, Schrenk F, Hublin J-J, Jacob T, Tafforeau P. 2009. Taxonomic assessment of the Trinil molars using non-destructive 3D structural and development analysis. *PaleoAnthropology* 2009:117-129. (4)

11. Smith TM, Harvati K, Olejniczak AJ, Reid DJ, Hublin J-J, Panagopoulou E. 2009. Brief communication: Dental development and enamel thickness in the Lakonis Neanderthal molar. *American Journal of Physical Anthropology* 138:112-118 (doi:10.1002/ajpa.20898). (13)
12. Olejniczak AJ, Smith TM, Feeney RNM, Macchiarelli R, Mazurier A, Bondioli L, Rosas A, Fortea J, de la Rasilla M, Garcia-Taberner A, Radovčić J, Skinner MM, Toussaint M, Hublin J-J. 2008. Dental tissue proportions and enamel thickness in Neanderthal and modern human molars. *Journal of Human Evolution* 55:12-23 (doi:10.1016/j.jhevol.2007.11.004). (29)
13. Olejniczak AJ, Smith TM, Skinner MM, Grine FE, Feeney RNM, Thackeray JF, Hublin J-J. 2008. Three-dimensional molar enamel distribution and thickness in *Australopithecus* and *Paranthropus*. *Biology Letters* 4:406-410 (doi:10.1098/rsbl.2008.0223). (22)
14. Smith TM, Olejniczak AJ, Reid DJ, Reh S, Hublin J-J. 2008. Brief Communication: Enamel thickness trends in the dental arcade of humans and chimpanzees. *American Journal of Physical Anthropology* 136:237-241 (doi: 10.1002/ajpa.20796). (13)
15. Skinner MM, Wood B, Boesch C, Olejniczak AJ, Rosas A, Smith TM, Hublin J-J. 2008. Dental trait expression at the enamel-dentine junction of lower molars in extant and fossil hominoids. *Journal of Human Evolution* 54:173-186 (doi: 10.1016/j.jhevol.2007.09.012). (23)
16. Olejniczak AJ, Smith TM, Wang W, Potts R, Ciochon R, Kullmer O, Schrenk F, Hublin J-J. 2008. Molar enamel thickness and dentine horn height in *Gigantopithecus blacki*. *American Journal of Physical Anthropology* 135:85-91 (doi: 10.1002/ajpa.20711). (16)
17. Olejniczak AJ, Tafforeau P, Feeney RNM, Martin LB. 2008. Three-dimensional primate molar enamel thickness. *Journal of Human Evolution* 54:187-195 (doi: 10.1016/j.jhevol.2007.09.014). (29)
18. Smith TM, Toussaint M, Reid DJ, Olejniczak AJ, Hublin J-J. 2007. Rapid dental development in a Middle Paleolithic Belgian Neanderthal. *Proceedings of the National Academy of Sciences, USA* 104:20220-20225 (doi: 10.1073/pnas.0707051104). (57)
19. Smith TM, Reid DJ, Dean MC, Olejniczak AJ, Martin LB. 2007. Molar development in common chimpanzees (*Pan troglodytes*). *Journal of Human Evolution* 52:201-216 (doi: 10.1016/j.jhevol.2006.09.004). (35)
20. Olejniczak AJ, Tafforeau P, Temming H, Smith TM, Hublin J-J. 2007. Technical note: compatibility of microtomographic imaging systems for dental measurements. *American Journal of Physical Anthropology* 134:130-134 (doi: 10.1002/ajpa.20615). (20)
21. Olejniczak AJ, Gilbert CC, Martin LB, Smith TM, Ulhaas L, Grine FE. 2007. Morphology of the enamel-dentine junction in sections of anthropoid primate maxillary molars. *Journal of Human Evolution* 53:292-301 (doi: 10.1016/j.jhevol.2007.04.006). (11)
22. Olejniczak AJ, Grine FE. 2006. Assessment of the accuracy of dental enamel thickness measurements using micro-focal X-Ray computed tomography. *The Anatomical Record Part A* 288A: 263-275 (doi: 10.1002/ar.a.20307). (44)

23. Smith TM, Olejniczak AJ, Reid DJ, Ferrell R, Hublin J-J. 2006. Modern human molar enamel thickness and enamel dentine junction shape. *Archives of Oral Biology* 51:974-995 (doi: 10.1016/j.archoralbio.2006.04.012). (24)
24. Smith TM, Olejniczak AJ, Tafforeau P, Reid DJ, Grine FE, Hublin J-J. 2006. Molar crown thickness, volume, and development in South African Middle Stone Age humans. *South African Journal of Science* 102:513-517. (22)
25. Smith TM, Olejniczak AJ, Martin LB, Reid DJ. 2005. Variation in hominoid molar enamel thickness. *Journal of Human Evolution* 48:575-592 (doi: 10.1016/j.jhevol.2005.02.004). (37)
26. Olejniczak AJ, Grine FE. 2005. High-resolution measurement of Neandertal tooth enamel thickness by micro-focal computed tomography. *South African Journal of Science* 101:219-220. (10)
27. Olejniczak AJ, Martin LB, Ulhaas L. 2004. Quantification of dentine shape in anthropoid primates. *Annals of Anatomy* 186:479-486 (doi: 10.1016/S0940-9602(04)80087-6). (20)
28. Martin LB, Olejniczak AJ, Maas MC. 2003. Enamel thickness and microstructure in pitheciin primates, with comments on dietary adaptations of the middle Miocene hominoid *Kenyapithecus*. *Journal of Human Evolution* 45:351-367 (doi: 10.1016/j.jhevol.2003.08.005). (50)

Book Chapters

Smith TM, Reid DJ, Olejniczak AJ, Bailey S, Glantz M, Viola B, Hublin J-J. 2011. Dental development and age at death of a Middle Paleolithic juvenile hominin from Obi-Rakhmat Grotto, Uzbekistan. In: (Condemi S, Weniger G-C, Eds.) *Continuity and Discontinuity in the Peopling of Europe*. Springer: Netherlands, pp. 155-163.

Mackiewicz P, Wiszniowska T, Olejniczak AJ, Stefaniak K, Socha P, Nadachowski A. 2010. Analysis of dental enamel thickness in bears with special attention to *Ursus spelaeus* and *U. wenzensis* (=minimum) in comparison to different representatives of mammals. In: (Nowakowski D, Ed.) *Morphology and systematics of fossil vertebrates*. Wydawnictwo DN: Wrocław, Poland, pp. 59-76.

Smith TM, Reid DJ, Dean MC, Olejniczak AJ, Ferrell RJ, Martin LB. 2007. New perspectives on chimpanzee and human molar development. In: (Bailey SE, Hublin J-J, Eds.) *Dental Perspectives on Human Evolution: State of the Art Research in Dental Anthropology*. Springer: Dordrecht, pp. 177-192.

Olejniczak AJ, Grine FE, Martin LB. 2007. Micro-computed tomography of the post-canine dentition: methodological aspects of three-dimensional data collection. In: (Bailey SE, Hublin J-J, Eds.) *Dental Perspectives on Human Evolution: State of the Art Research in Dental Anthropology*. Springer: Dordrecht, pp. 103-115.

Conference and Book Reviews

McNulty KP, Olejniczak AJ. 2004. *Prima facie evidence: international conference explores function, phylogeny, and ontogeny of primate craniofacial morphology*. *Evolutionary Anthropology* 13(3):79-81.

Research Presented at Professional Conferences

Olejniczak AJ, Gómez-Robles A, Prado-Simón L, Bermúdez de Castro JM, Martín-Torres M. 2010. Quantifying the impact of mesh decimation and smoothing on the accuracy of three-dimensional enamel-dentine junction topographic models. *American Journal of Physical Anthropology* S50:216.

Feeney RNM, Olejniczak AJ, Hublin J-J. 2010. Three-Dimensional Microtomographic Analysis of Sexual Dimorphism in Human Molar-Crown Tissues. *American Journal of Physical Anthropology* S50:87.

Prado-Simón L, Olejniczak AJ, Bermúdez de Castro JM, Gómez-Robles A, Baca García P, Martín-Torres M. 2010. Three-dimensional study of pulp chamber and radicular canal morphology in hominin premolars. *American Journal of Physical Anthropology* S50:236.

Smith TM, Zermeno JP, Pouech J, Tafforeau P, Olejniczak AJ, Reid DJ, Eastham L, Hublin J-J, Kordos L, Begun D. 2010. Enamel thickness and tooth development in a subadult *Dryopithecus brancoi* (*Rudapithecus hungaricus*) individual. *American Journal of Physical Anthropology* S50:282.

Gómez-Robles A, Martín-Torres M, Bermúdez de Castro JM, Olejniczak AJ, Prado-Simón L, Arsuaga JL. 2010. Shape variation and morphological integration in the human dentition: evolutionary and static approaches. *American Journal of Physical Anthropology* S50:101.

Martín-Torres M, Bermúdez de Castro JM, Gómez-Robles A, Prado-Simón L, Olejniczak AJ, Arsuaga JL. 2010. Dental morphology of European Middle Pleistocene populations. *American Journal of Physical Anthropology* S50:190.

Mackiewicz P, Wiszniowska T, Stefaniak K, Socha P, Olejniczak AJ, Nadachowski A. 2010. Analysis of dental enamel thickness in fossil bears *Ursus spelaeus* and *U. wenzensis* in comparison to selected representatives of mammals. Paleontological Conference. Fossil Vertebrates: Morphology, Systematics, Evolution, December 3-5 2009, Wrocław, Poland, Abstracts: 37-38.

Olejniczak AJ, Prado L, Martín-Torres M, Bermúdez de Castro JM, Gómez-Robles A. 2009. High-resolution microtomography in paleoanthropology: virtual study of the internal morphology of the oldest European dentition (ATE9-1). Proceedings of the International Symposium on Paleoanthropology in Commemoration of the 80th Anniversary of the Discovery of the First Skull of Peking Man and the First Conference on Quaternary Research of Asia, Beijing, China.

Martín-Torres M, Bermúdez de Castro JM, Gómez-Robles A, Prado L, Olejniczak AJ. 2009. The First European Hominin in Atapuerca (Spain): the Role of Asia in the Colonization of Europe. Proceedings of the International Symposium on Paleoanthropology in Commemoration of the 80th Anniversary of the Discovery of the First Skull of Peking Man and the First Conference on Quaternary Research of Asia, Beijing, China.

Gómez-Robles A, Martín-Torres M, Bermúdez de Castro JM, Prado L, Olejniczak AJ. 2009. Evolutionary novelties and geometric morphometrics: a case study of lower second molar morphology. Proceedings of the First Iberian Symposium on Geometric Morphometrics, Sabadell, Spain.

Gómez-Robles A, Martín-Torres M, Bermúdez de Castro JM, Olejniczak AJ, Prado L. 2009. Intra- and interspecific variation of dental morphology: a quantitative approach to Neandertal and modern human divergence. Proceedings of the Congress "The transition from archaic to modern: quantitative approaches." Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.

Prado L., Martín-Torres M, Gómez-Robles A, Olejniczak AJ, Lapresa M, Gómez MJ, Bermúdez de Castro JM. 2009. Microtomografía computerizada en dientes de homínidos fósiles: validación de la técnica con dientes modernos. XVI Congreso Nacional, Sociedad Española de Epidemiología y Salud Pública Oral (SESPO). Salamanca, Spain.

Olejniczak AJ, Begun DR, Mbua E, Hublin J-J. 2009. Phyletic affinities of *Samburupithecus kiptalami*: a late Miocene proconsulid. *American Journal of Physical Anthropology* S48:202.

Feeney RNM, Olejniczak AJ, Guatelli-Steinberg D, Hublin J-J. 2009. Variation in dental tissue distribution in molar crowns of human males and females. *American Journal of Physical Anthropology* S48:127.

Kupczik KK, Olejniczak AJ, Skinner MS, Hublin J-J. 2009. Scaling relationships between molar crown, root and jaw size in anthropoid primates. *American Journal of Physical Anthropology* S48:171.

Kupczik KK, Skinner MS, Olejniczak AJ, Hublin J-J. 2008. Molar dental tissue proportions and jaw size in primates. Proceedings of the 14th International Symposium on Dental Morphology, August 27-30, 2008. Greifswald, Germany.

Smith TM, Harvati K, Olejniczak AJ, Reid DJ, Hublin J-J, Panagopoulou E. 2008. Dental development and enamel thickness in the Neanderthal molar from Lakonis, Greece. *American Journal of Physical Anthropology* S46:197.

Olejniczak AJ, Skinner MM, Hublin J-J. 2008. Scaling primate molar enamel thickness: implications for hominin evolution. *American Journal of Physical Anthropology* S46:165.

Olejniczak AJ, Smith TM, Glasmacher UA, Hublin J-J. 2007. High-resolution microCT analysis of the Mauer mandible. Proceedings of the 7th Congress of the German Anthropological Association, "Anthropology - a Science in Public". Freiburg im Breisgau, Germany.

Hublin J-J, Bailey SE, Olejniczak AJ, Smith TM, Verna C, Sbihi-Alaoui FZ, Zouack M. 2007. Dental evidence from the Aterian human populations of Morocco. Proceedings of the conference entitled "Modern Origins: A North African Perspective." Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.

Olejniczak AJ, Smith TM, Wang W, Potts R, Ciochon R, Kullmer O, Schrenk F, Hublin J-J. 2007. Molar enamel thickness and dentine horn height in *Gigantopithecus blacki*. *American Journal of Physical Anthropology*: inadvertently left out of abstract volume S44.

Feeney RNM, Olejniczak AJ. 2007. Quantification of inter-observer error in 3D dental tissue measurements. *American Journal of Physical Anthropology* S44:107.

Skinner MM, Olejniczak AJ, Rosas A, Smith TM, Wood B, Hublin J-J. 2007. Dentine crown expression of discrete dental traits on extant hominoid and fossil hominin lower molars. *American Journal of Physical Anthropology* S44:220.

Olejniczak AJ, Smith TM, Skinner MM, Grine FE, Feeney RNM, Thackeray JF, Hublin J-J. 2007. Molar Tissue Volumes and Enamel Thickness in South African Fossil Hominins. *Paleoanthropology* 2007:A21-A22.

Smith TM, Olejniczak AJ, Reid DJ, Hublin J-J, Toussaint M. 2007. Dental development, enamel thickness, and age at death in the Scladina Cave Belgian Neanderthal. *Paleoanthropology* 2007:A30.

Smith TM, Olejniczak AJ, Reid DJ, Guatelli-Steinberg D, Hoffmann A, Hublin J-J. 2007. Le Moustier 1 dental development and enamel thickness. Presented at the International Congress of Vertebrate Morphology, Paris, France, July 16 – July 21. (*Journal of Morphology* 268:1135-1136).

Olejniczak AJ, Smith TM, Macchiarelli R, Mazurier A, Bondioli L, Rosas A, Fortea J, de la Rasilla M, García-Tabernero A, Skinner MM, Hublin J-J. 2006. Enamel volume and thickness in Neandertal molars: a microtomographic investigation. *Terra Nostra* 2:128-129.

Olejniczak AJ, Bhattacharyya P, Ali M. 2006. The research grant and faculty productivity nexus: heterogeneity among dissimilar institutions. *Proceedings of the Southern Economic Association 76th Annual Meeting*. Charleston, SC, USA.

Smith TM, Reid DJ, Olejniczak AJ, Bailey S, Glantz M, Viola B, Hublin J-J. 2006. Dental development and age at death in a Middle Paleolithic juvenile hominin from Obi-Rakhmat Grotto, Uzbekistan. *Terra Nostra* 2:136.

Olejniczak AJ, Smith TM, Macchiarelli R, Mazurier A, Bondioli L, Rosas A, Fortea J, de la Rasilla M, García-Tabernero A, Skinner MM, Feeney RNM, Hublin J-J. 2006. Enamel volume and thickness in Neandertal molars: a microtomographic investigation. *Proceedings of the workshop entitled "2D and 3D Insights Into Human Evolution."* Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.

Olejniczak AJ, Tafforeau P, Martin LB. 2006. Phylogenetic Interpretations of Primate Molar Enamel Thickness Based on Three-Dimensional Microtomographic Data. *Proceedings of the workshop entitled "2D and 3D Insights Into Human Evolution."* Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.

Skinner MM, Olejniczak AJ, Rosas A, Smith TM, Hublin J-J. 2006. Dentine crown expression of discrete dental traits of hominoid lower molars. *Proceedings of the workshop entitled "2D and 3D Insights Into Human Evolution."* Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.

Feeney RNM, Olejniczak AJ. 2006. Quantification of inter-observer error in 3D dental tissue measurements. *Proceedings of the workshop entitled "2D and 3D Insights Into Human Evolution."* Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.

Olejniczak AJ, Smith TM, Tafforeau P, Temming H, Hublin J-J. 2006. A comparison of microtomographic systems for the measurement of dental tissues. Proceedings of the workshop entitled "2D and 3D Insights Into Human Evolution." Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.

Smith TM, Reid DJ, Olejniczak AJ, Bailey S, Glantz M, Viola B, Hublin J-J. 2006. Dental development and age at death in a Middle Paleolithic juvenile hominin from Obi-Rakhmat Grotto, Uzbekistan. Proceedings of the workshop entitled "2D and 3D Insights Into Human Evolution." Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.

Olejniczak AJ, Smith TM, Tafforeau P, Temming H, Hublin J-J. 2006. A comparison of microtomographic systems for the measurement of dental tissues. *American Journal of Physical Anthropology* S42:140-141.

Smith TM, Olejniczak AJ, Tafforeau P, Grine FE, Hublin J-J. 2006. High resolution Microtomography of Middle Stone Age human molars from South Africa. *American Journal of Physical Anthropology* S42:167.

Olejniczak AJ. 2005. Mesiodistal and angular obliquity in studies of dental sections. *American Journal of Physical Anthropology* 126 S40:160.

Martin LB, Olejniczak AJ. 2005. Categorization of primate molar enamel thickness. *American Journal of Physical Anthropology* 126 S40:145.

Smith TM, Olejniczak AJ, Martin LB, Reid DJ, Dean MC. 2005. Molar cusp formation in common chimpanzees (*Pan troglodytes*). *American Journal of Physical Anthropology* 126 S40:193.

Olejniczak AJ, Martin LB. 2005. Micro-computed tomography of the post-canine dentition: methodological aspects of three-dimensional data collection. Proceedings of the conference entitled "Dental Perspectives on Human Evolution: State of the Art Research in Dental Anthropology." Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.

Smith TM, Reid DJ, Dean MC, Olejniczak AJ, Ferrell RJ, Martin LB. 2005. New perspectives on chimpanzee and human molar development. Proceedings of the conference entitled "Dental Perspectives on Human Evolution: State of the Art Research in Dental Anthropology." Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.

Olejniczak AJ. 2004. Primate speciosity, taxonomic distributions, and power law behavior. *American Journal of Physical Anthropology* 123 S38:155.

Gilbert CC, Olejniczak AJ, Martin LB. 2004. Dentine shape as a taxonomic indicator and the origins of bilophodont molars. *American Journal of Physical Anthropology* 123 S38:99-100.

Olejniczak AJ, Martin LB. 2004. Significance of dentine shape in anthropoid evolution. *Folia Primatologica* 75(5):348-349.

Olejniczak AJ, Martin LB. 2003. Significance of dentine shape in anthropoid evolution. Proceedings of the first international workshop on evolutionary changes in the craniofacial morphology of primates. Ernst Moritz Arndt University, Greifswald, Germany.

Olejniczak AJ, Martin LB. 2002. A comparison of relative enamel thickness of deciduous and permanent teeth in Pan troglodytes. *American Journal of Physical Anthropology* S34:120.