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Archaeological Sciences, University of Bradford

- Wilson AS. 2014. Digitised Diseases: Preserving Precious Remains. *British Archaeology* 136:36-41.
- Schotsmans EM, Denton J, Fletcher JN, Janaway RC, and Wilson AS. 2014a. Short-term effects of hydrated lime and quicklime on the decay of human remains using pig cadavers as human body analogues: Laboratory experiments. *Forensic Science International*.
- Schotsmans EM, Fletcher JN, Denton J, Janaway RC, and Wilson AS. 2014b. Long-term effects of hydrated lime and quicklime on the decay of human remains using pig cadavers as human body analogues: Field experiments. *Forensic Science International*.
- Schotsmans EMJ, Wilson AS, Brettell R, Munshi T, Edwards HGM (accepted 2014) Raman Spectroscopy as a non-destructive screening technique for studying white substances from archaeological and forensic burial contexts, *Journal of Raman Spectroscopy*.
- Schotsmans EMJ, Rios L, García-Rubio A, Edwards HGM, Munshi T, Van de Vijver K, Wilson AS, (accepted 2014) Lime burials from the Spanish Civil War (1936-1939): a case study. In H. Kars and L. Van den Eijkel (eds.), *Soil Forensics*, Springer
- Thompson AH, Wilson AS, and Ehleringer JR. 2014. Hair as a Geochemical Recorder: Ancient to Modern. In: Cerling TE, editor. *Treatise on Geochemistry (volume 14): Archaeology & Anthropology*. 2nd ed. Cambridge: Elsevier: 371-393.
- Villa C, Gaudio D, Cattaneo C, Buckberry J, Wilson AS, and Lynnerup N. (accepted 2014). Surface curvature of pelvic joints from three laser scanners: separating anatomy from measurement error. *Journal of Forensic Sciences*.
- Wilson AS, Brown EL, Villa C, Lynnerup N, Healey A, Ceruti MC, Reinhard J, Previgliano CH, Araoz FA, Diez JG, Taylor T. 2013. Archaeological, radiological, and biological evidence offer insight into Inca child sacrifice. *Proceedings of the National Academy of Sciences of the United States of America* 110(33):13322-13327.
- Wilson AS, Powers N, Montgomery J, Buckberry J, Beaumont J, Bowsher D, Town M, and Janaway RC. 2013. 'Men that are gone ... come like shadows, so depart': research practice and sampling strategies for enhancing our understanding of post-medieval human remains. In: Dalglish C, editor. *Archaeology, the Public and the Recent Past*. Woodbridge, UK: Boydell and Brewer. p 145-162.
- Beaumont J, Geber J, Powers N, Wilson AS, Lee-Thorp J, and Montgomery J. 2013. Victims and survivors: stable isotopes used to identify migrants from the Great Irish Famine to 19th century London. *American Journal of Physical Anthropology* 150(1):87-98.
- Beaumont J, Montgomery J, Wilson AS 2013. Using stable isotope analysis to identify Irish migrants in the Catholic Mission of St Mary and St Michael, Whitechapel. In: Miles A, and Bowsher D, editors. *He being dead yet speaketh' Excavations at three post-medieval burial grounds in Tower Hamlets, East London, 2004-08*. London: MOLA. p 301-304.
- Janaway RC, O'Connor S, and Wilson AS. 2013. Gristhorpe Man: preservation, taphonomy and conservation, past and present. In: Melton ND, Knusel CJ, and Montgomery JM, editors. *Gristhorpe Man: a Life and Death in the Bronze Age*. Oxford: Oxbow. p 177-196.
- Powers N, Wilson AS, Montgomery J, Bowsher D, Brown T, Beaumont J, and Janaway R. 2013. "No certain roof but the coffin lid": exploring the commercial and academic need for a high level research framework to safeguard the future of the post-medieval burial resource. In: Dalglish C, editor. *Archaeology, the Public and the Recent Past*. Woodbridge, UK: Boydell and Brewer. p 125-144.
- Wilson AS. 2012. The Bioarchaeology of Humans: Taking the Pulse. *Antiquity* 86(334):1216-1219.
- Dittmar-Blado J, Wilson AS. 2012. Microscopic examination of the toolmarks. In: Fowler L. and Powers N, editors. *Doctors, Dissection and Resurrection Men: Excavations in the 19th century burial ground of the London Hospital, 2006*. London: Museum of London Archaeology. p 180-184.
- Bengtsson CF, Olsen ME, Brandt LO, Bertelsen MF, Willerslev E, Tobin DJ, Wilson AS, and Gilbert MTP. 2012. DNA from keratinous tissue. Part I: Hair and nail. *Annals of Anatomy* 194(1):17-25.

- Brasseur C, Dekeirsschieter J, Schotsmans EM, de Koning S, Wilson AS, Haubruge E, and Focant JF. 2012. Comprehensive two-dimensional gas chromatography-time-of-flight mass spectrometry for the forensic study of cadaveric volatile organic compounds released in soil by buried decaying pig carcasses. *Journal of Chromatography A* 1255:163-170.
- Schotsmans EM, Denton J, Dekeirsschieter J, Ivaneanu T, Leentjes S, Janaway RC, and Wilson AS. 2012. Effects of hydrated lime and quicklime on the decay of buried human remains using pig cadavers as human body analogues. *Forensic Science International*. 217(1-3):50-59.
- Turner BL, Zuckerman MK, Garofalo EM, Wilson AS, Kamenov GD, Hunt DR, Amgalantugs T, and Frohlich B. 2012. Diet and death in times of war: isotopic and osteological analysis of mummified human remains from southern Mongolia. *Journal of Archaeological Science* 39(10):3125-3140.
- Wilson AS. 2011. The condition of the Deer Park Farms hair and its potential for stable isotope investigation. In: Lynn CJ, and McDowell JA, editors. *Deer Park Farms The Excavation of a Raised Rath in the Glenarm Valley, Co Antrim*: Department of the Environment, Northern Ireland, 490-496.
- O'Connor S, Ali E, Al-Sabah S, Anwar D, Bergstrom E, Brown KA, Buckberry J, Buckley S, Collins M, Denton J, Dorling KM, Dowlec A, Duffey P, Edwards HGM, Correia Faria E, Gardner P, Gledhill A, Heatond K, Heron C, Janaway R, Keely BJ, King D, Masinton A, Penkman K, Petzold A, Pickering MD, Rumsbyl M, Schutkowski H, Shackleton KA, Thomas J, Thomas-Oates J, Usai M, Wilson AS, O'Connor T. 2011. Exceptional preservation of a prehistoric human brain from Heslington, Yorkshire, UK. *Journal of Archaeological Science* 38(7):1641-1654.
- Schotsmans EMJ, de Voorde WV, De Winne J, and Wilson AS. 2011. The impact of shallow burial on differential decomposition to the body: A temperate case study. *Forensic Science International* 206(1-3):E43-E48.
- van Doorn NL, Wilson AS, Willerslev E, and Gilbert MTP. 2011. Bone Marrow and Bone as a Source for Postmortem RNA. *Journal of Forensic Sciences* 56(3):720-725.
- Wilson AS, Dodson HI, Janaway RC, Pollard AM, and Tobin DJ. 2010. Evaluating Histological Methods for Assessing Hair Fibre Degradation. *Archaeometry* 52:467-481.
- Wilson AS, and Tobin DJ. 2010. Hair after Death. In: Trueb RM, and Tobin DJ, editors. *Aging Hair*. New York: Springer 249-261.
- Wilson AS, and Cadwallader L. 2010. Individuals with surviving hair. In: Connell B, and Miles A, editors. *The City Bunhill burial ground, Golden Lane, London: Excavations at South Islington schools, 2006*. London: Museum of London Archaeology. p 49-52.
- Edwards HGM, Montgomery J, Melton ND, Hargreaves MD, Wilson AS, and Carter EA. 2010. Gristhorpe Man: a Raman spectroscopic study of 'mistletoe berries' in a Bronze Age log coffin burial. *Journal of Raman Spectroscopy* 41(11):1533-1536.
- Knusel CJ, Batt CM, Cook G, Montgomery J, Muldner G, Ogden AR, Palmer C, Stern B, Todd J, and Wilson AS. 2010. The Identity of the St Bees Lady, Cumbria: An Osteobiographical Approach. *Medieval Archaeology* 54(1):271-311.
- Melton N, Montgomery J, Knusel CJ, Batt C, Needham S, Parker Pearson M, Sheridan A, Heron C, Horsley T, Schmidt A, Evans A, Carter E, Edwards HGM, Hargreaves M, Janaway RC, Lynnerup N, Northover P, O'Connor S, Ogden A, Taylor T, Wastling V and Wilson AS. 2010. Gristhorpe Man: an Early Bronze Age log-coffin burial scientifically defined. *Antiquity* 84: 796-815
- Rasmussen M, Li YR, Lindgreen S, Pedersen JS, Albrechtsen A, Moltke I, Metspalu M, Metspalu E, Kivisild T, Gupta R, Bertalan M, Nielsen K, Gilbert MTP, Wang Y, Raghavan M, Campos PF, Kamp HM, Wilson AS, Gledhill A, Tridico S, Bunce M, Lorenzen ED, Binladen J, Guo X, Zhao J, Zhang X, Zhang H, Li Z, Chen M, Orlando L, Kristiansen K, Bak M, Tommerup N, Bendixen C, Pierre TL, Grønnow B, Meldgaard M, Andreasen C, Fedorova SA, Osipova LP, Higham TFG, Bronk Ramsey C, Hansen TO, Nielsen FC, Crawford MH, Brunak S, Sicheritz-Ponté T, Villems R, Nielsen R, Krogh A, Wang J, Willerslev E. 2010. Ancient human genome sequence of an extinct Palaeo-Eskimo. *Nature* 463(7282):757-762.

- Backwell L, Pickering R, Brothwell D, Berger L, Witcomb M, Martill D, Penkman K, and Wilson AS. 2009. Probable human hair found in a fossil hyaena coprolite from Gladysvale cave, South Africa. *Journal of Archaeological Science* 36(6):1269-1276.
- Janaway RC, Percival SL, and Wilson AS. 2009. Decomposition of Human Remains. In: Percival SL, editor. *Microbiology & Aging*. New York: Springer. p 313-334.
- Janaway RC, Wilson AS, Carpio Díaz G, and Guillen S. 2009. Taphonomic changes to the buried body in arid environments: an experimental case study in Peru. In: Ritz K, Dawson L, and Miller D, editors. *Criminal & Environmental Soil Forensics*. New York: Springer. p 341-356.
- Petrou M, Edwards HGM, Janaway RC, Thompson GB, and Wilson AS. 2009. Fourier-transform Raman spectroscopic study of a Neolithic waterlogged wood assemblage. *Analytical and Bioanalytical Chemistry* 395(7):2131-2138.
- Wilson AS. 2008. The decomposition of hair in the buried body environment. In: Tibbett M, and Carter DO, editors. *Soil Analysis in Forensic Taphonomy: Chemical and Biological Effects of Buried Human Remains*. Boca Raton: CRC Press. p 123-151.
- Wilson AS. 2008. The Hair. In: McKinley I., editor. *The 18th Century Baptist Chapel and Burial Ground at West Butts Street, Poole*. Salisbury: Wessex Archaeology. p 49-50.
- Frohlich B, Zuckerman M, Amgalantugs T, Hunt D, Wilson AS, Gilbert MTP, Chambers R, Coyle HM, Falkowski B, Garofalo E et al. 2008. Human Mummified Remains from the Gobi Desert: Current Progress in Reconstruction and Evaluation. In: Pena P, Rodriguez Martin C, and Ramirez Rodriguez A, editors. *Mummies and Science: World Mummies Research*. Santa Cruz de Tenerife: Academia Canaria de la Historia. p 17-26.
- Petrou M, Edwards HGM, Janaway RC, Kavvouras P, Thompson GB, and Wilson AS. 2008. the degradation of lignocellulosics under conditions applicable to wetlands in northern Greece. In: Kars H, editor. *Geo and Bioarchaeological Studies vol 10 - PARIS 3 proceedings*. Amsterdam: Institute for Geo- and Bioarchaeology, Vrije Universiteit. p 47-54.
- Pollard AM, Brothwell DR, Aali A, Buckley S, Fazeli H, Hadian Dehkordi M, Holden T, Jones AKG, Shokouhi JJ, Vatandoust R and Wilson AS. 2008. Below the salt: a preliminary study of the dating and biology of five salt-preserved bodies from Zanjan Province, Iran. *Iran - Journal of the British Institute of Persian Studies* XLVI:135-150
- Wilson AS, Taylor T, Ceruti MC, Chavez JA, Reinhard J, Grimes V, Meier-Augenstein W, Cartmell L, Stern B, Richards MP, Worobey M, Barnes I, Gilbert MTP. 2007. Stable isotope and DNA evidence for ritual sequences in Inca child sacrifice. *Proceedings of the National Academy of Sciences of the United States of America* 104(42):16456-16461.
- Wilson AS, Dodson HI, Janaway RC, Pollard AM, and Tobin DJ. 2007. Selective biodegradation in hair shafts derived from archaeological, forensic and experimental contexts. *British Journal of Dermatology* 157(3):450-457.
- Wilson AS, Janaway RC, Holland AD, Dodson HI, Baran E, Pollard AM, and Tobin DJ. 2007. Modelling the buried human body environment in upland climes using three contrasting field sites. *Forensic Science International* 169(1):6-18.
- Wilson AS, and Gilbert MTP. 2007. Hair and nail. In: Thompson T, and Black S, editors. *Forensic Human Identification: An Introduction*. Boca Raton: CRC Press. p 147-174.
- Wilson AS, Richards MP, Stern B, Janaway RC, Pollard AM, and Tobin DJ. 2007c. Information on Grauballe man from his hair. In: Asingh P, and Lynnerup N, editors. *Grauballe Man: An Iron Age Bog Body Revisited*. Moesgaard: Jutland Archaeological Society. p 188-195.
- Edwards HG, Wilson AS, Nik Hassan NF, Davidson A, and Burnett A. 2007. Raman spectroscopic analysis of human remains from a seventh century cist burial on Anglesey, UK. *Analytical & Bioanalytical Chemistry* 387(3):821-828.
- Gilbert MT, Tomsho LP, Rendulic S, Packard M, Drautz DI, Sher A, Tikhonov A, Dalen L, Kuznetsova T, Kosintsev P, Campos PF, Higham T, Collins MJ, Wilson AS, Shidlovskiy F, Buigues B, Ericson PGP, Germonpré M, Götherström A, Iacumin P, Nikolaev V, Nowak-Kemp M, Willerslev E, Knight JR, Irzyk GP, Perbost CS, Fredrikson KM, Harkins TT, Sheridan S, Miller W, Schuster SC

2007. Whole-genome shotgun sequencing of mitochondria from ancient hair shafts. *Science* 317(5846):1927-1930.
- Gilbert MT, Djurhuus D, Melchior L, Lynnerup N, Worobey M, Wilson AS, Andreasen C, and Dissing J. 2007. mtDNA from hair and nail clarifies the genetic relationship of the 15th century Qilakitsoq Inuit mummies. *American journal of physical anthropology* 133(2):847-853.
- Gilbert MT, Janaway RC, Tobin DJ, Cooper A, and Wilson AS. 2006a. Histological correlates of post mortem mitochondrial DNA damage in degraded hair. *Forensic Science International*. 156(2-3):201-207.
- Gilbert MT, Menez L, Janaway RC, Tobin DJ, Cooper A, and Wilson AS. 2006b. Resistance of degraded hair shafts to contaminant DNA. *Forensic Science International*. 156(2-3):208-212.
- Pollard AM, Wilson L, Wilson AS, and Hall AJ. 2006. Assessing the influence of agrochemicals on the rate of copper corrosion in the vadose zone of arable land – Part 2: laboratory simulations. *Conservation and Management of Archaeological Sites* 7:225-239.
- Wilson L, Pollard AM, Hall AJ, and Wilson AS. 2006. Assessing the influence of agrochemicals on the nature of copper corrosion in the vadose zone of arable land – Part 3: geochemical modelling. *Conservation and Management of Archaeological Sites* 7:241-260
- Wilson AS. 2005. Hair as a Bioresource in Archaeological Study. In: Tobin DJ, editor. *Hair in Toxicology: an Important Biomonitor*. Cambridge: Royal Society of Chemistry. p 321-345.
- Wilson AS, Dodson HI, Janaway RC, Pollard AM, and Tobin DJ. 2004. The development of a histological index for assessing the condition of hair from archaeological or forensic contexts. *Journal of the German Society of Dermatology* 2(6):515.
- Wilson AS, Richards MP, and Gilbert MTP. 2004. Authenticity of long curated historical hair samples - the case of Newton's hair. *Journal of the German Society of Dermatology* 2(6):549.
- Edwards HG, Hassan NF, and Wilson AS. 2004. Raman spectroscopic analyses of preserved historical specimens of human hair attributed to Robert Stephenson and Sir Isaac Newton. *Analyst* 129(10):956-962.
- Gilbert MT, Wilson AS, Bunce M, Hansen AJ, Willerslev E, Shapiro B, Higham TF, Richards MP, O'Connell TC, Tobin DJ, Janaway RC and Cooper A. 2004. Ancient mitochondrial DNA from hair. *Current Biology* 14(12):R463-464.
- Pollard AM, Wilson L, Wilson AS, Hall AJ, and Shiel R. 2004. Assessing the Influence of Agrochemicals on the Rate of Copper Corrosion in the Vadose Zone of Arable Land. Part 1: Field Experiments. *Conservation and Management of Archaeological Sites* 6(3&4):363-375.
- Wilson AS, Dodson HI, Janaway RC, Pollard AM, and Tobin DJ. 2003. Survival and alteration - experiments in hair degradation. In: Lynnerup N, Andreasen, C., Berglund, J., editor. *Mummies in a New Millenium*. Nuuk, Greenland: Greenland National Museum and Archives, Danish Polar Center. p 63-66.
- Janaway RC, Wilson AS, Holland AD, and Baran EN. 2003. Taphonomic change to the buried body and associated materials in an upland peat environment: experiments using pig carcasses as human body analogues. In: Lynnerup N, Andreasen, C., Berglund, J., editor. *Mummies in a New Millenium*. Nuuk, Greenland: Greenland National Museum and Archives & Danish Polar Center. p 56-59.
- Wilson AS. 2002. The South Cadbury Shield: Problems of Differential Corrosion In Archaeological Bronze. In: Moody H, editor. *Back to Basics: The Metals Section* - United Kingdom Institute for Conservation. p 9-12.
- Wilson AS, and Minnitt SC. 2001. The South Cadbury Shield: from Discovery to Display. *The Archaeologist* 40:21-24.
- Wilson AS, Janaway RC, Pollard AM, Dixon RA, and Tobin DJ. 2001. Survival of Human Hair - The Impact of the Burial Environment. In: Williams E, editor. *Human Remains, Conservation, Retrieval and Analysis*. Oxford: British Archaeology Reports. p 119-128.
- Wilson AS, Dixon RA, Dodson HI, Janaway RC, Pollard AM, Stern B, and Tobin DJ. 2001. Yesterday's hair--human hair in archaeology. *Biologist* (London) 48(5):213-217.

- Wilson AS, Dixon RA, Edwards HGM, Farwell DW, Janaway RC, Pollard AM, and Tobin DJ. 2001. Towards an Understanding of the Interaction of Hair with the Depositional Environment. *Chungara, Revista de Antropologia Chilena* 33(2):293-296.
- Caffell AC, Roberts CA, Janaway RC, and Wilson AS. 2001. Pressures on Osteological Collections - The Importance of Damage Limitation. In: Williams E, editor. *Human Remains: Conservation, Retrieval and Analysis*. Oxford: British Archaeological Reports, International Series. p 187-197.
- Janaway RC, Wilson AS, Caffell AC, and Roberts CA. 2001. Human skeletal collections: the responsibilities of project managers, physical anthropologists, conservators and the need for standardized condition assessments. In: Williams E, editor. *Human Remains: Conservation, Retrieval and Analysis*. Oxford: British Archaeological Reports International Series. p 199-208.
- Neal AV, Wilson AS, and Minnitt SC. 2001. The South Cadbury Shield Project. *Scottish Society for Conservation and Restoration Journal* 12:17-21.
- Wilson AS. 2000a. Hair Degradation. *Trends in Analytical Chemistry* 19(1):VIII.
- Coles JM, Minnitt SC, and Wilson AS. 2000. *Ceremony and display: the South Cadbury Bronze Age Shield*. Taunton: Somerset County Museums Service.
- Wilson AS, Edwards HGM, Farwell DW, and Janaway RC. 1999. Fourier transform Raman spectroscopy: Evaluation as a non-destructive technique for studying the degradation of human hair from archaeological and forensic environments. *Journal of Raman Spectroscopy* 30(5):367-373.
- Wilson AS, Janaway RC, and Tobin DJ. 1999. Effect of the Burial Environment on Hair Shaft Morphology - Relevance for Archaeology and Medico-legal Investigations. *Journal of Investigative Dermatology, Symposium Proceedings* 4(3):353.
- Coles JM, Leach P, Minnitt SC, Tabor R, and Wilson AS. 1999. A Later Bronze Age Shield from South Cadbury, Somerset, England. *Antiquity* 73:33-48.
- Wilson AS. 1998. Review of the Third World Congress of Mummy Studies. *Conservation News* 67:20-21.
- Edwards HGM, Farwell DW, and Wilson AS. 1998. The Degradation of Human Hair Studied by FT-Raman Spectroscopy. In: Heyns AM, editor. *Proceedings of the XVIth International Conference on Raman Spectroscopy (ICORS '98)*. Cape Town, South Africa: John Wiley & Sons, Chichester. p 540-541.
- Wilson AS. 1997. Medieval Painted Vault Rib. In: Milne G, editor. *St Bride's Church, London: Archaeological Research 1952-60 and 1992-5*. London: English Heritage. p 81-82.
- Wilson AS, Tuross N, and Wachowiak MJ. 1996. Blood Residues on Archaeological Objects - A Conservation Perspective. In: Roy A, and Smith P, editors. *Archaeological Conservation and its Consequences*. London: International Institute for Conservation of Historic and Artistic Works. p 213-217.