

**PUBLICATIONS M. HÄUSLER (ORCID 0000-0002-9100-4183)****1) ORIGINAL PAPERS****1.1) PEER REVIEWED JOURNAL PAPERS**

- 1) **Haeusler M**, Webb NM, Krenn VA, Fornai C. in press. Locomotor and taxonomic diversity of Sterkfontein hominins not supported by current trabecular evidence of the femoral head. Proceedings of the National Academy of Science USA.
- 2) Bastir M, García-Martínez D, Torres-Tamayo N, Palancar CA, Beyer B, Barash A, Villa C, Sanchis-Gimeno JA, Riesco-López A, Nalla S, Torres-Sánchez I, García-Río F, Been E, Gómez-Olivencia A, **Haeusler M**, Williams SA, Spoor F. 2020. Rib cage anatomy in *Homo erectus* suggests a recent evolutionary origin of modern human body shape. *Nature Ecology & Evolution* 4: 1178–1187 (IF **10.965**).
- 3) Staub K, **Haeusler M**, Bender N, Morozova I, Eppenberger PE, Panczak R, Zwahlen M, Schaer DJ, Maggiorini MV, Ulrich S et al. 2020. Hemoglobin concentration of young men at residential altitudes between 200 and 2000m mirrors Switzerland's topography. *Blood*. doi.org/10.1182/blood.2019004135 (IF **16.601**)
- 4) Krueger W, Bender N, **Haeusler M**, Henneberg M. 2020. The role of mechanotransduction in heart failure pathobiology—a concise review. *Heart Failure Reviews*: 1-15. DOI: 10.1007/s10741-020-09915-1. (IF: **4.015**)
- 5) **Haeusler M**, Trinkaus E, Fornai C, Müller J, Bonneau N, Boeni T, Frater NT (2019) Morphology, pathology and the vertebral posture of the La Chapelle-aux-Saints Neandertal. *Proceedings of the National Academy of Sciences* 16:4923–7 (IF: **9.7**) (**covered in >150 media reports worldwide and >15 languages**)
- 6) Feuerriegel E, Voisin J-L, Churchill S, **Haeusler M**, Mathews S, Schmid P, Hawks J, Berger LR (2019) Upper limb fossils of *Homo naledi* from the Lesedi Chamber, Rising Star System, South Africa. *PaleoAnthropology* 2019:311–49.
- 7) Krenn VA, Fornai C, Wurm L, Bookstein FL, **Haeusler M**, Weber GW (2019) Variation of 3D outer and inner crown morphology in modern human mandibular premolars. *Am J Phys Anthropol* 169: 646-663 (IF: **2.48**)
- 8) Galassi FM, Habicht ME, Killgrove K, De Carolis S, Polidoro M, **Haeusler M**. 2019. The Gladiator's Tears: Epiphora From Ancient Rome. *J Craniofac Surg* 30:1938-1940. (IF: **0.79**)
- 9) Galassi FM, Mathews S, Nüesch M, Ballestriero R, **Haeusler M** (2018) Neither Darwin's nor Woolner's, rather Matsys's tubercle in the 16th century. *Ital J Anat Embryol* 123: 279-81
- 10) Staub K, Henneberg M, Galassi FM, Eppenberger P, **Häusler M**, Morozova I, Rühli F, Bender N (2018) Increasing body mass variability and health correlates in Swiss conscripts, a possible role of relaxed natural selection? *Evolution, Medicine, and Public Health* 1: 116-126 (IF **4.4**)
- 11) Spiessberger A, Baumann F, **Haeusler M**, Rühli F, Muroi C (2018) A Posterior Oblique Approach to the Lumbar Disc Spaces, Vertebral Bodies and Lumbar Plexus - A Cadaveric Feasibility Study. *Clinical Spine Surgery*, 31:E8–E12. (IF: **2.29**)
- 12) Tardieu Ch, Hasegawa K, **Haeusler M** (2017) Evolution of the human pelvis: How pelvis and spine became a functional unit in hominid evolution during the transition from occasional to permanent bipedalism. *Anatomical Record* 300:912–31. (IF: **1.34**)
- 13) Mathews S, Burkhard M, Serrano N, Link K, **Häusler M**, Frater N, Franke I, Bischofberger H, Buck FM, Gascho D, Thali M, Serowy S, Müller-Gerbl M, Harper G, Qureshi F, Böni T, Bloch H-R, Ullrich O, Rühli F-J, Eppler E (2017) Glenoid morphology in light of anatomical and reverse total shoulder arthroplasty: a dissection- and 3D-CT-based study in male and female body donors. *BMC Musculoskeletal Disorders* 18:9 1-11. (IF: **1.68**)
- 14) **Haeusler M**, Haas C, Lösch S, Moghaddam N, Villa IM, Walsh S, Kayser M, Seiler R, Rühli F, Janosa M, Papageorgopoulou C (2016) Multidisciplinary identification of the controversial freedom fighter Jörg Jenatsch, assassinated 1639 in Chur, Switzerland. *PLoS ONE*:e0168014. (IF: **3.23**)
- 15) Rühli F, **Haeusler M**, Saniotis A, Henneberg M (2016) Novel modules to teach evolutionary medicine: An Australian and a Swiss experience. *Medical Science Educator* 26:375–381 (IF: **1.80**)
- 16) Bruggisser M, Burki D, **Haeusler M**, Rühli F, Staub K (2016) Multivariable analysis of total cholesterol levels in male Swiss Armed Forces conscripts 2006-2012 (N=174,872). *BMC Cardiovascular Disorders* 16:43, 1-13 (IF: **1.88**)
- 17) Meyer M, **Haeusler M** (2015) Spinal cord evolution in early *Homo*. *J Hum Evol.* 88:43-53. (IF: **3.77**)
- 18) Schiess R, Böni T, Rühli F, **Haeusler M** (2014) Revisiting scoliosis in the KNM-WT 15000 *Homo erectus* skeleton. *J Hum Evol* 67:48-59. (IF: **3.77**)
- 19) Landis S, **Haeusler M** (2014) Implications of the marked osteophytosis of the proximal femur MLD 46 (*Australopithecus africanus*). *Bull Soc Suisse Anthropol* 20:21–6. (IF: n/a)
- 20) Bonneau N, Bouhallier J, **Haeusler M**, Gagey O (2014) An innovative method for the three-dimensional study of hip joint motion. *Comput Methods Biomech Biomed Eng* 08:56-7. (IF: **1.77**)

- 21) Schiess R, **Häusler M** (2013) No skeletal dysplasia in the Nariokotome boy KNM-WT 15000 (*Homo erectus*): a reassessment of congenital pathologies of the vertebral column. *Am J Phys Anthropol.* 150:365–374. (IF: **2.48**)
- 22) **Häusler M**, Schiess R, Boeni T. (2013) Evidence for juvenile disc herniation in *Homo erectus* boy skeleton. *Spine.* 38:123-128. (IF: **2.16**)
- 23) Meyer S, Reichlin T, Rühli F, **Häusler M** (2013) Skelettfunde aus Harmettlen, Arth-Goldau, Opfer des Bergsturzes von 1806. *Bull Soc Suisse Anthropol* 19:23-35 (IF: n/a)
- 24) **Häusler M**, Schiess R, Boeni T (2012) Modern or distinct axial bauplan in early hominins? A reply to Williams (2012). *J Hum Evol* 63:557-559. (IF: **3.77**)
- 25) **Häusler M**, Schiess R, Boeni T (2011) New vertebral and rib material point to modern bauplan of the Nariokotome *Homo erectus* skeleton. *J Hum Evol* 61: 575-582. (IF: **3.77**)
- 26) **Häusler M**, Schiess R, Boeni T (2011) Rückenschmerzen sind keine Zivilisationskrankheit: Hinweise für Rückenprobleme bei *Homo erectus*. *Bull Soc Suisse Anthropol* 17:105-109. (IF: n/a)
- 27) **Häusler M**, McHenry HM (2007) Evolutionary reversals of limb proportions in early hominids? Evidence from KNM-ER 3735 (*Homo habilis*). *J Hum Evol* 53:383-405. (IF: **3.77**)
- 28) Schweitzer W, **Häusler M**, Bär W, Schaeppman M (2007) Evaluation of 3D surface scanners for skin documentation in forensic medicine: comparison of benchmark surfaces. *BMC Med Imaging* 7:1-13. (retracted because not full permission to use the data presented; IF: **1.98**)
- 29) Schiess R, **Häusler M**, Langenegger E (2006) Wie pathologisch ist die Wirbelsäule des Nariokotome Boys KNM-WT 15'000 (*Homo erectus*)? *Bull Soc Suisse Anthropol* 12: 13-22. (IF: n/a)
- 30) **Häusler M** (2005) Plio-Pleistocene hominid limb proportions: Evolutionary reversals or estimation errors? *Curr Anthropol* 46: 582-583. (IF: **2.93**)
- 31) **Häusler M**, McHenry HM (2004) Body proportions of *Homo habilis* reviewed. *J Hum Evol* 46: 433-465. (IF: **3.77**)
- 32) **Häusler M**, Isler K, Schmid P, Berger LR (2004) 3-D Digital mapping of the early hominid site of Gladysvale Cave, South Africa. *Hum Evol* 19: 45-52.
- 33) **Häusler M**, Martelli S, Boeni T (2002) Vertebrae numbers of the early hominid lumbar spine. *J Hum Evol* 43: 621-643. (IF: **3.77**)
- 34) **Häusler M** (2002) New insights into the locomotion of *Australopithecus africanus* based on the pelvis. *Evol Anthropol* 11: 53-57. (IF: **3.53**)
- 35) **Häusler M** (2001) Body proportions of *Australopithecus africanus* and *A. afarensis*. *Folia Primatol* 72: 161-163. (IF: **1.04**)
- 36) **Häusler M**, Berger LR (2001) Stw 441/465: A new fragmentary ilium of a small-bodied *Australopithecus africanus* from Sterkfontein, South Africa. *J Hum Evol* 40: 411-417. (IF: **3.77**)
- 37) **Häusler M**, Schmid P (1997) Assessing the pelvis of AL 288-1: a reply to Wood and Quinney. *J Hum Evol* 32:99-102. (IF: **3.77**)
- 38) **Häusler M** (1995) Lucy oder Lucifer? Ein Vergleich der *Australopithecus*-Becken Sts 14 und AL 288-1. *Bulletin der Schweizerischen Gesellschaft für Anthropologie* 1: 3-14. (IF: n/a)
- 39) **Häusler M**, Schmid P (1995) Comparison of the pelvis of Sts 14 and AL 288-1: implications for birth and sexual dimorphism in australopithecines. *J Hum Evol* 29: 363-383. (IF: **3.77**) (**covered in Science and numerous media reports worldwide**)

## 1.2) Case studies

- 40) Langenegger E, **Häusler M**, Roth M (2002) Ein spätromischer Skelettfund aus Oberwinterthur mit dreifach abgehackten Händen. *Archäologie der Schweiz* 25(3): 37-41. (IF: n/a)

## 1.3) Book chapters (peer reviewed)

- 41) **Häusler M**, Ruff CB (2020) Pelvis. In: Zipfel B, Richmond BG, Ward CV, editors. *Hominin postcranial remains from Sterkfontein, South Africa, 1936-1995*. Oxford: Oxford University Press, pp 181-201.
- 42) Ward CV, **Häusler M**, Zipfel B (2020) The partial skeletons. In: Zipfel B, Richmond BG, Ward CV, editors. *Hominin postcranial remains from Sterkfontein, South Africa, 1936-1995*. Oxford: Oxford University Press, pp 33-36.
- 43) **Häusler M** (2019) Spinal pathologies in fossil hominins. In: Been E, Gomez-Olivencia A, Kramer P (eds.) *Spinal Evolution: morphology, function, and pathology of the spine in hominoid evolution*. Berlin: Springer, pp 213-245
- 44) Tardieu Ch, **Häusler M** (2019). The acquisition of human verticality with an emphasis on sagittal balance. In: Roussouly P, Pinheiro-Franco JL, Labelle H, Gehrchen M (Eds.) *Sagittal Balance of the Spine*. New York: Thieme, pp 13-22

- 45) **Häusler M**, Bender N, Aldakak L, Galassi FM, Eppenberger P, Henneberg M, Rühli F (2019) Muskuloskeletal system. In: Brüne M, Schiefenhövel W (Eds.) Oxford Handbook of Evolutionary Medicine. Oxford: Oxford Univ. Press, pp 269-300
- 46) **Häusler M**, Schweitzer W, Bär W (2006) Methodic improvement of the photographic superimposition for the identification of skulls. In: Sotony P (ed) Proceedings of the XX Congress of International Academy of Legal Medicine, Budapest (Hungary). Medimond, Bologna, pp 213-215

#### 1.4) Book chapters (not peer reviewed)

- 47) Bender N, **Häusler M** (in press) Die Umwelt verändert sich: wie hat sich der Mensch seit Ötzi angepasst? In: Niederkofler J, editor. ArchaeoPark Schnalstal.
- 48) Reitmaier Th, Camichel M, Frater N, Meyer S, Seiler R, **Häusler M**, Rühli F, Volken S u M (2015) Eine weibliche Gletscherleiche aus der Zeit um 1690 aus Graubünden. In: Archäologischer Dienst Graubünden, editor. Archäologie Graubünden 2. Somedia-Buchverlag, Chur, p 13-21.
- 49) **Häusler M** (2014) Gesichtsrekonstruktion von Jörg Jenatsch. In: Janosa M, Archäologischer Dienst Graubünden, editors. Das Grab des Jörg Jenatsch in der Kathedrale zu Chur – unter die orgel begraben. Somedia-Buchverlag, Chur, p 141-145.
- 50) Rühli F, Seiler R, **Häusler M** (2014) Radiologische Untersuchung des Skeletts von Jörg Jenatsch. In: Janosa M, Archäologischer Dienst Graubünden, editors. Das Grab des Jörg Jenatsch in der Kathedrale zu Chur – unter die orgel begraben. Somedia-Buchverlag, Chur, p 141-145.

#### 2) Reviews

- 51) Bender N, Eppenberger P, **Häusler M**, Jäggi A, Rühli F, Schünemann V (2020) Infektionskrankheiten aus evolutionsmedizinischer Sicht. Swiss Review of Military and Disaster Medicine 98, 40-46. (IF: n/a)
- 52) Rühli F, Galassi F, **Häusler M** (2016) Palaeopathology – current challenges and medical impact. Clinical Anatomy, 29: 816-822. (IF: 1.33)
- 53) **Häusler M**, Rühli F (2014) Rückenprobleme und Evolution. VSAO Journal 14:38-39. (IF: n/a)

#### 3) Abstracts

- 1) Fornai C, Krenn VA, Webb NM, **Häusler M**. 2020. Pelvic evidence for taxonomic heterogeneity within *Australopithecus* at Sterkfontein Member 4 (South Africa). AJPA 171, Suppl 69:88.
- 2) **Häusler M**, Fornai C, Krenn VA, Webb NM. 2020. KSD-VP-1/1 from Woranso Mille, Ethiopia, does not conform to known *Australopithecus afarensis* pelvic morphology. AJPA 171, Suppl 69:111.
- 3) Krenn VA, Fornai C, Webb NM, **Häusler M**. 2020. A comparative morphometric assessment of sexual dimorphism in the human sacrum. AJPA 171, Suppl 69:149-50.
- 4) Webb NM, Harcourt-Smith WEH, Pontzer H, **Häusler M**, Grabowski M. 2020. How to make a bipedal primate: 1 part phylogeny, 2 parts selection and a pinch of body size. AJPA 171, Suppl 69:303.
- 5) Akgül G, Henneberg M, Pudlo A, **Häusler M**, Molak M, Panagiotopoulou H, Doan K, Bogdanowicz W, Dąbrowski P, Oziębłowski M, Rühli FJ, Schuenemann VJ (2020). Ancient *Treponema p. pallidum* genomes from early modern syphilis outbreaks in central and eastern Europe. PPA meeting. Los Angeles.
- 6) **Häusler M** (2019) Evolutionary origin of musculoskeletal problems. Schrenk F, Kullmer O, Webb N (Ed.), Evolutionary Medicine: the Biocultural Perspective, Frankfurt am Main, Germany, 07-09 October 2019. Frankfurt, p 7.
- 7) Fornai C, Krenn VA, Webb N M, **Häusler M** (2019). *Australopithecus* variability at Sterkfontein: evidence from the pelvic remains. Proc Europ Soc Hum Evol, 8, 63.
- 8) Frémondrière P, Thollon L. Marchal F, Fornai C, Webb NM, & **Häusler M** (2019). Reviving australopithecine birth: contribution of numerical simulation. Proc Europ Soc Hum Evol, 8, 65.
- 9) Webb NM, Krenn VA, Fornai C, **Häusler M** (2019). KSD-VP-1/1: the “Big Man” just got bigger. Proc Europ Soc Hum Evol, 8, 198.
- 10) Krenn VA, Fornai C, **Häusler M** (2019) Morphological variation and sexual dimorphism of the modern human sacrum. Proc Europ Soc Hum Evol 8:98.
- 11) Macho G A, Fornai C, Toussaint M, **Häusler M** (2019) The partial skeleton StW 431 provides new insights into the palaeobiology of Plio-Pleistocene hominins from Sterkfontein, South Africa. Proc Europ Soc Hum Evol 8:116.

- 12) Krenn V, Webb NM, Martin RD, **Häusler M** (2019) Why is human childbirth so complex? The obstetrical dilemma hypothesis revisited. 5th annual meeting of the International Society for Evolution, Medicine and Public Health, August 13-16, 2019, Zuerich, Switzerland.
- 13) Staub K, Webb N, Krenn V, Fornai C, Floris J, Bender N, Koepke N, **Häusler M** (2019) Does the ecological model challenge the obstetrical dilemma? Evidence from historical Swiss data. 5th annual meeting of the International Society for Evolution, Medicine and Public Health, August 13-16, 2019, Zuerich, Switzerland.
- 14) **Häusler M**, Landis S, Zipfel B, Krenn V, Fornai C (2019) Evidence for adaptation to malaria in the human ancestor *Australopithecus africanus*, 2.6 million years ago. 5th annual meeting of the International Society for Evolution, Medicine and Public Health, August 13-16, 2019, Zuerich, Switzerland.
- 15) Webb NM, Mazelis F, **Häusler M** (2019): New Insights Into Caesarean Section Risk Prediction Using Machine Learning. 5th annual meeting of the International Society for Evolution, Medicine and Public Health, August 13-16, 2019, Zuerich, Switzerland.
- 16) Macho GA, Fornai C, Toussaint M, **Häusler M** (2019) *A. africanus*, *A. prometheus*, or pre-*Paranthropus*? The case of the partial skeleton StW 431. EAAPP 2019. Nairobi.
- 17) Fornai C, Krenn VA, Webb NM, **Häusler M** (2019) A new reconstruction of the StW 431 pelvis: implications for *Australopithecus* variability at Sterkfontein. EAAPP 2019. Nairobi.
- 18) Webb NM, Krenn VA, Fornai C, **Häusler M** (2019) How KSD-VP-1/1 elucidates early *Australopithecus* pelvic morphology. EAAPP 2019. Nairobi.
- 19) Krenn VA, Fornai C, Nüesch M, **Häusler M** (2018) Sexual dimorphism of the human sacrum revisited 11th Annual International Conference of the Society for the Study of Childhood in the Past (SSCIP). Natural History Museum, Vienna, Austria 20–22 September 2018
- 20) **Häusler M**, Landis S, Zipfel B, Krenn VA, Fornai C (2018) Evidence for adaptation to malaria in a 2.58-million-year-old proximal *Australopithecus africanus* femur from Makapansgat, South Africa In: Novak M, editor. Palaeopathology Association. Zagreb, Croatia.
- 21) Koepke N, Wiedmer P, Floris J, Bender N, Staub K, **Häusler M** (2018) The obstetrical dilemma – evidence from historical Swiss data. 4th annual meeting of the International Society for Evolution, Medicine and Public Health, August 1-4, 2018. Park City, Utah, USA.
- 22) Bonneau N, Fornai C, Krenn VA, Gorincour G, **Häusler M** (2018) CT-scan data of juvenile pelvises: application for 3D fossil reconstruction. Proc Europ Soc Hum Evol 7:22.
- 23) Fornai C, Krenn VA, Nüesch M, **Häusler M** (2018) Unexpectedly high morphological variability in the *Australopithecus* sacrum. Implications for sexual and taxonomic diversity. Proc Europ Soc Hum Evol 7:67.
- 24) Sandra Mathews, Karl Link, Nabil Serrano, Steffen Serowy, Dominic Gascho, Michael Thali, Florian M. Buck, Oliver Ullrich, Magdalena Müller-Gerbl, Frank-Jakobus Rühli, Elisabeth Eppler, **Martin Häusler** (2018) A comparative approach to measure sex and age-related differences in shoulder morphology and body size. 80th annual meeting of the SSAHE, 07.09.2018, Fribourg.
- 25) Fornai C, Nüesch M, Krenn VA, **Häusler M** (2018). Morphological variation of the modern human sacrum with implications for early hominins. AJPA Suppl. 66:87-8
- 26) **Häusler M**, Bonneau N, Fornai C (2017) A new reconstruction of the juvenile *Homo erectus* pelvis KNM-WT 15000 from Nariokotome, Kenya. East African Association of Paleoanthropology and Paleontology Conference, 30/07 – 02/08/2017. Addis Ababa, Ethiopia.
- 27) Fornai C, **Häusler M** (2017) Morphological reinterpretation of MH2 *Australopithecus sediba* pelvis based on a new virtual reconstruction. East African Association of Paleoanthropology and Paleontology Conference, 30/07 – 02/08/2017. Addis Ababa, Ethiopia.
- 28) Fornai C, Nüesch M, Krenn VA, **Häusler M** (2017) Morphological variation of the modern human sacrum with implications for early hominins. AJPA Suppl. 64:183.
- 29) **Häusler M**, Bonneau N, Fornai C (2017) The morphology of the *Homo erectus* pelvis. Proc Europ Soc Hum Evol 6:82.
- 30) Bonneau N, Frater N, Fornai C, **Häusler M** (2017) Functional approach to the lumbar spine: a three-dimensional analysis of articular facet orientation. Proc Europ Soc Hum Evol 6:26.
- 31) García-Martínez D, Spoor F, Nalla S, Torres-Tamayo N, Cunha E, **Häusler M**, Bastir M (2017) 3D growth changes in ribs during late ontogeny in hominids and its importance for the thorax of KNM-WT 15000: a preliminary approach. Proc Europ Soc Hum Evol 6:72.
- 32) **Häusler M**, Bonneau N, Fornai C (2017). A new reconstruction of the juvenile *Homo erectus* pelvis KNM-WT 15000 from Nariokotome, Kenya. East African Association of Paleoanthropology and Paleontology Conference, 30/07 – 02/08/2017, Addis Ababa, Ethiopia.
- 33) Fornai C, **Häusler M** (2017). Morphological reinterpretation of MH2 *Australopithecus sediba* pelvis based on a new virtual reconstruction. East African Association of Paleoanthropology and Paleontology Conference, 30/07 – 02/08/2017, Addis Ababa, Ethiopia.

- 34) **Haeusler M**, Fornai C, Frater N, Bonneau N (2017) The vertebral column of La Chapelle-aux Saints: the evidence of spinal osteoarthritis for Neanderthal spinal curvature. *Am J Phys Anthropol* 162, Suppl 64:206.
- 35) Fornai C, **Haeusler M** (2017) Virtual reconstruction of the pelvic remains of KNM-WT 15000 *Homo erectus* from Nariokotome, Kenya. *Am J Phys Anthropol* 162, Suppl. 64:183.
- 36) Crawford R, Melloh M, Rühli F, **Haeusler M**. 2016. Low back pain as a trade-off to efficient walking: A new perspective on connecting evolutionary medicine with public health. ISEMPH 2016: International Society for Evolution, Medicine and Public Health 2016 Meeting. Durham, June 22-25.
- 37) **Haeusler M**, Fornai C, Frater N, Been E, Bonneau N (2016) Neanderthal vertebral curvature and spinal motion – the evidence of spinal osteoarthritis in the La Chapelle-aux Saints skeleton. *Proc Europ Soc Hum Evol* 5: 115.
- 38) Fornai C, **Haeusler M** (2016) Virtual reconstruction of *Australopithecus sediba* pelvis and reconsideration of its morphological affinities. *Proc Europ Soc Hum Evol* 5: 96.
- 39) Frémondrière P, Thollon L, Marchal F, Frater N, Mathews S, Fornai C, **Haeusler M** (2016) Exploring birth process in australopithecines: contribution of birth simulations, discriminant analyses based on an actual modern human obstetrical sample and implications of a new reconstruction of the MH2 pelvis (*Australopithecus sediba*). *Proc Europ Soc Hum Evol* 5:97.
- 40) **Haeusler M**, Frémondrière P, Fornai C, Frater N, Mathews S, Thollon L, Marchal F (2016) Virtual reconstruction of the MH2 pelvis (*Australopithecus sediba*) and obstetrical implications. *Am J Phys Anthropol Suppl* 62:165.
- 41) Frémondrière P, Thollon L, Marchal F, Frater N, Mathews S, Fornai C, **Haeusler M** (2016) Estimating fetal-pelvic disproportion in australopithecines, with special reference to the MH2 (*Australopithecus sediba*) pelvis. *Am J Phys Anthropol Suppl* 62:148.
- 42) Frater N, Martelli S, Mathews S, **Haeusler M** (2016) The number of lumbar vertebrae in hominin evolution and the problem of missing segments. *PaleoAnthropology* 2016:A1-A34.
- 43) Mathews S, Frater N, Bonneau N, **Haeusler M** (2016) Pathologies of skeleton MH2 (*Australopithecus sediba*). *PaleoAnthropology* 2016:A1-A34.
- 44) Moser D, Seiler R, Link K, Bertschi M, Ohnsorg P, Langenegger E, Boeni T, **Haeusler M**. 2015. A deviant, prone burial from Fraumünster, Zürich (early 17th century) and the evolution of rheumatoid arthritis. *Journal of Evolutionary Medicine* 3:39.
- 45) **Haeusler M**, Frater N, Mathews S, Landis S, Boeni T, Zipfel B, Ruehli F (2015) Are musculoskeletal disorders evolutionary trade-offs of bipedalism? *Proc Proc Europ Soc Hum Evol* 4:107. (IF: n/a)
- 46) Mathews S, **Haeusler M** (2015) Are rotator cuff lesions of the human shoulder joint related to the evolution of bipedalism? *Proc Europ Soc Hum Evol* 4:154. (IF: n/a)
- 47) **Haeusler M**, Landis S, Zipfel B (2015) Hip joint osteoarthritis in the MLD 46 (*Australopithecus africanus*) proximal femur. *Am J Phys Anthropol Suppl.* 60: 157.
- 48) Mathews S, **Haeusler M** (2015) Evolution of the hominin scapula and rotator cuff musculature. *Am J Phys Anthropol Suppl.* 60: 218.
- 49) **Haeusler M**, Nakita F, Hangartner R, Minder C, Boeni T, Ruehli F (2015) Are our back problems evolutionary trade-offs of bipedalism? *J Evol Med* 3:235924.
- 50) **Haeusler M**, Frater N, Mathews S, Landis S, Hangartner R, Minder C, Boeni T, Ruehli F (2015) Are musculoskeletal disorders evolutionary trade-offs of bipedalism? Proceedings of the Inaugural Meeting of the International Society of Evolution, Medicine and Public Health, March 18 - March 21, 2015. Tempe, Arizona.
- 51) **Haeusler M**, Frater N, Bonneau N (2014.) The transition from thoracic to lumbar facet joint orientation at T11: functional implications of a more cranially positioned transitional vertebra in early hominids. *Am J Phys Anthropol Suppl.* 58:133.
- 52) Frater N, Bonneau N, Mathews S, Tardieu, C, **Haeusler M** (2014) Did a longer “functional” lumbar spine in early hominids facilitate the evolution of the lumbar lordosis? *Proc Europ Soc Hum Evol* 3:72. (IF: n/a)
- 53) Frater N, **Haeusler M**, Schmid P (2014) The functional morphology of the seventh cervical vertebra in extant hominoids and early hominids. *Am J Phys Anthropol Suppl.* 58: 120-121.
- 54) Landis S, **Haeusler M** (2013) The earliest case of possible osteoarthritis in the proximal femur MLD 46 (*Australopithecus africanus*). *Bull Schweiz Ges Anthropol* 19:41.
- 55) Mathews S, **Haeusler M**, Schmid P. 2013. The primate upper arm: A study on the deltoid index. *Am J Phys Anthropol Suppl* 56:192.
- 56) Landis S, **Haeusler M**. 2013. The pathology of the proximal femur MLD 46 (*Australopithecus africanus*). *Proc Europ Soc Hum Evol* 2:129. (IF: n/a)
- 57) Mathews S, **Haeusler M**, Schmid P. 2013. The primate upper arm: A study on the deltoid index. *Proc Europ Soc Hum Evol* 2:149. (IF: n/a)
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