

## Selected Publications

(Students, former students and/or individuals who have trained in my lab are underlined)

- 2017        Putt SS, Wijekumar S, **Franciscus RG**, Spencer JP. The functional brain networks that underlie Early Stone Age tool manufacture. *Nature Human Behaviour*. 1:0102 (Cover article). doi:10.1038/s41562-017-0102
- 2017        Maddux, SD, Butaric, LN, Yokley, TR, **Franciscus, RG**. Ecogeographic variation across morphofunctional units of the human nose. *American Journal of Physical Anthropology*. 162:103-119.
- 2016        Maddux, SD, Yokley, TR, Svoma, BM, **Franciscus, RG**. Absolute humidity and the human nose: A re-analysis of climate zones and their influence on nasal form and function. *American Journal of Physical Anthropology*. 161:309-320.
- 2016        Laird, MF, Holton NE, Scott JE, **Franciscus RG**, Marshall SD, Southard TE. Spatial determinants of the mandibular curve of Spee in modern and archaic *Homo*. *American Journal of Physical Anthropology*. 161:226-236.
- 2015        Holton NE, Bonner LL, Scott JE, Marshall SD, **Franciscus RG**, Southard TE. The ontogeny of the chin: an analysis of allometric and biomechanical scaling. *Journal of Anatomy*. 226:549-559.
- 2015        Holton NE, Nicholas CL, Marshall SD, **Franciscus RG**, Southard TE. The effects of altered maxillary growth on patterns of mandibular rotation in a pig model. *Archives of Oral Biology*. 60:933-940.
- 2014        Nicholas, CL, **Franciscus, RG**. The ontogeny of nasal floor shape variation in extant humans. *American Journal of Physical Anthropology*. 155:369-378.
- 2014        Cieri, RL, Churchill, SE, **Franciscus, RG**, Jingzhi, T, Hare, B. Craniofacial feminization, social tolerance, and the origins of behavioral modernity. *Current Anthropology* (target article with commentary). 55:419-443.
- 2014        Putt, SS, Woods, AD, **Franciscus, RG**. The role of verbal interaction during experimental bifacial stone tool manufacture. *Lithic Technology*. 39:96-112.
- 2014        Holton, NE, **Franciscus, RG**, Ravosa, MJ, Southard, TE. Functional and morphological correlates of mandibular symphyseal form in a living human sample. *American Journal of Physical Anthropology*. 153:387-396.
- 2013        **Franciscus, RG**, Holliday, TW. Crossroads of the Old World: Late hominin evolution in Western Asia. In: *The Origins of Modern Humans: Biology Reconsidered*, F.H. Smith & J.C.M. Ahern (eds.), John Wiley & Sons, pp. 45-88.

- 2012 Gómez-Olivencia A, Franciscus RG, Couture-Veschambre C, Maureille B, Arsuaga JL. The mesosternum of the Regourdou 1 Neandertal revisited. *Journal of Human Evolution*. 62:511-519.
- 2011 Holton, NE, Yokley, TR, Franciscus RG. Climatic adaptation and Neandertal facial evolution: A comment on Rae et al. (2011) *Journal of Human Evolution*. 61:624-627.
- 2011 Holton, NE, Franciscus, RG, Marshall, SD, Southard, TE, Nieves, MA. Nasal Septal and premaxillary developmental integration: implications for facial reduction in *Homo*. *Anatomical Record*. 294:68–78.
- 2010 Holton, NE, Franciscus, RG, Nieves, MA, Marshall, SD, Reimer, SB, Southard, TE, Keller, JC, Maddux, SD. Sutural growth restriction and modern human facial evolution: An experimental study in pigs (*Sus scrofa*). *Journal of Anatomy*. 216:48–61.
- 2009 Churchill, SE, **Franciscus, RG**, McKean-Peraza, HA, Daniel, JA, Warren, BR. The Shanidar 3 Neandertal rib puncture wound and Paleolithic weaponry. *Journal of Human Evolution*. 57:163-178.
- 2009 Gómez-Olivencia, A, Lindsay Eaves-Johnson, K, Franciscus, RG, Carretero, JM, Arsuaga, JL. Kébara 2: new insights regarding the most complete Neandertal thorax. *Journal of Human Evolution*. 57:75-90.
- 2009 **Franciscus, RG.** When did the modern human pattern of childbirth arise? New insights from an old Neandertal pelvis. *Proceedings of the National Academy of Sciences USA*. 106:9125-9126.
- 2009 Maddux, SD, Franciscus, RG. Allometric scaling of infraorbital surface topography in *Homo*. *Journal of Human Evolution*. 56:161-174.
- 2008 Holton, NE, Franciscus, RG. The paradox of a wide nasal aperture in cold-adapted Neandertals: a causal assessment. *Journal of Human Evolution*. 55:942-951.
- 2006 Polanski, JM, Franciscus, RG. Patterns of Craniofacial Integration in extant *Homo, Pan, and Gorilla*. *American Journal of Physical Anthropology*. 131:38-49.
- 2006 **Franciscus, RG, Vlček, E.** The Cranial Remains. In: *Early Modern Human Evolution in Central Europe: The People of Dolni Vestonice and Pavlov*, E. Trinkaus & J. Svoboda (eds.), London & New York: Oxford University Press, pp. 63-152.

- 2005 **O'Connor, CF, Franciscus, RG, Holton, NE.** Bite force production capability and efficiency in Neandertals and modern humans. *American Journal of Physical Anthropology*. 127:129-151.
- 2003 **Franciscus, RG.** Internal nasal floor configuration in *Homo* with special reference to the evolution of Neandertal facial form. *Journal of Human Evolution*. 44:701-729.
- 2002 **Franciscus, RG, Churchill, SE.** The costal skeleton of Shanidar 3 and a reappraisal of Neandertal thoracic morphology. *Journal of Human Evolution* 42:303-356.
- 1999 **Franciscus, RG.** Neandertal nasal structures and upper respiratory tract "specialization". *Proceedings of the National Academy of Sciences* 96:1805-1809.