

Publication list

- Lyson, T. R., **Petermann, H.**, and I. M. Miller. In review. A new plastronid trionychid turtle, *Plastronid joycei*, sp. nov., from the earliest Paleocene (Danian) Denver Formation of south-central Colorado. *Journal of Vertebrate Paleontology*.
- Fabbri, M., Navalon, G., Mongiardino-Koch, N., Hanson, M., **Petermann, H.**, and B.-A. Bhullar. In review. A fundamental ontogenetic transformation produced the unique sauropod skull. *Proceedings B*.
- McCoy, V.E., Wiemann, J., Lamsdell, J., Whalen, C., Lidgard, S., Mayer, P., **Petermann, H.**, and D.E.G. Briggs. 2020. Chemical signatures of soft tissues distinguish between vertebrates and invertebrates from the Carboniferous Mazon Creek Lagerstätte of Illinois. *Geobiology*.
- Petermann, H.**, and J. A. Gauthier. 2020. Skeletochronology reconciles differences in growth strategies and longevity in the Common Chuckwalla (*Sauromalus ater*) with implications for squamate life-history studies. *Copeia* 108:72-82, 11.
- Petermann, H.**, and J.A. Gauthier. 2018. Fingerprinting fossil snakes: paleontological and paleoecological implications of zygantral growth rings in Serpentes. *PeerJ*
- Amenta, E., King, H.E., **Petermann, H.**, Vuk, U., Tommasini, S.M., and C.M. Macica. 2018. Vibrational spectroscopic analysis of hydroxyapatite in HYP mice and individuals with X-linked hypophosphatemia. *Therapeutic Advances in Chronic Disease* 9, 268-281
- Petermann, H.**, Mongiardino Koch, N., and J.A. Gauthier. 2017. Osteohistology and sequence of suture fusion reveal complex environmentally influenced growth in the teiid lizard *Aspidoscelis tigris* — Implications for fossil squamates. *Palaeogeography, Palaeoclimatology, Palaeoecology* 475, 12-22.
- McCoy, V.E., Saupe, E.E., Lamsdell, J.C., Tarhan, L.G., McMahon, S., Lidgard, S., Mayer, P., Whalen, C.D., Soriano, C., Finney, L., Vogt, S., Clark, E.G., Anderson, R.P., **Petermann, H.**, Locatelli, E.R., and D.E.G Briggs. 2016. The ‘Tully monster’ is a vertebrate. *Nature* 532, 496-499.
- Petermann, H.**, and P.M. Sander. 2013. Histological evidence for muscle insertion in extant amniote femora: Implications for muscle reconstruction in fossils. *Journal of Anatomy*, 222:419-436.