

PUBLICATIONS

Published

- Singh N**, Albert FW, Plyusnina I, Trut L, Pääbo S, Harvati K. 2017. Facial shape differences between rats selected for tame and aggressive behaviors. *PLoS ONE* 12: 1-11.
- Flaherty, K., **Singh N.**, Richtsmeier, J.T. 2016. Understanding craniosynostosis: history, development and genetics. *Wiley Interdiscip Rev Dev Biol.*, 4:429–459
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- Heuzé Y, **Singh N**, Basilico C, Jabs EW, Holmes G, Richtsmeier JT. 2014. Morphological comparison of the craniofacial phenotypes of mouse models expressing the Apert FGFR2 S252W mutation in neural crest- or mesoderm-derived tissues. *Bone*, 63:101-109.
- Singh, N.** 2013. Ontogenetic study of allometric variation in *Homo* and *Pan* mandibles. *Anat. Rec.*, 297, 261-272.
- Singh, N.**, Harvati, K., Hublin, J-J & Klingenberg, C.P. 2012. Morphological integration in the extant hominid cranium: A 3D geometric morphometric approach. *Journal of Human Evolution. JHE*, 62, 155-164.
- Kandel, AW., Bauer, C.C., Noback, M.L., **Singh, N.** 2012: First Annual Meeting of the European Society for the Study of Human Evolution. *Evolutionary Anthropology* 21: 167-168.
- Harvati, K., **Singh N.** and Nicholson E. 2011. A 3-D view of the Neanderthal mandible. In: (Condemi S., ed.) 150 Years of Neanderthal Discoveries. Springer, p. 179-192.
- Singh N.** 2008. Perspectives on Primate Morphology. *Evolutionary Anthropology*, 17: 83-84

Published abstracts and presentations

- Singh, N** and Harvati, K. (2019). Experimental animal models for domestication: insights into modern human craniofacial evolution. AAPA 2019, Cleveland, OH.
- Singh, N.** Reeve, R. and Richtsmeier, JT. (2017). Processes that generate modularity in the mammalian skull: implications for primate skull evolution. Conference talk at the American Association of Physical Anthropology Meeting, New Orleans.
- Singh, N.**, Reeves, R. and Richtsmeier, JT. (2016) A mouse model of Down syndrome reveals key craniofacial growth patterns in Trisomy 21. (Boston: American Journal of Medical Genetics Part A). Conference poster presentation at the Society for Craniofacial Genetics and Developmental Biology.
- Harvati-Papatheodorou, K., **Singh, N.**, Plyusnina, I., Trut, L., Pääbo, S., Albert, FW. (2014). Domestication and modern human evolution: a look at rats selected for tameness and aggression. *Am J Phys Anthropol* S58: 138.
- Singh, N.**, Heuze, Y., Flaherty, K., Basilico, C., Holmes, G. & Richtsmeier, JT. (2014). The role of FGF/FGFR signaling in cranial integration: implications for primate evolution. *Am J Phys Anthropol*, S58: 240.
- Singh, N.** Dutka, T., Richtsmeier, J.T. & Reeves, R. (2013). Effects of Sonic Hedgehog on facial morphology: implications for patients with Down syndrome. Invited talk. *The American Journal of Medical Genetics*
- Dutka, T., **Singh, N.**, Richtsmeier, J.T. & Reeves, R. (2013) Effects of up-regulation of SHH pathway on Ts65Dn, a mouse model for Down Syndrome. *The American Society for Human Genetics*.
- Singh, N.**, Harvati, K., Boesch, C. (2012). Cranio-facial variation in sub-species of *Pan*. *Am J Phys Anthropol Suppl* 52: 270
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Singh N., Senck S. (2008). Ontogeny of airorhynch in male-female orangutans: analysis of palate and frontal bone. *Am J Phys Anthropol Suppl.* 46: 194.

Singh N., Harvati K., Gunz P., Hublin J.-J. (2007). A 3D geometric morphometric study of morphological integration in the primate mandible. *Am J Phys Anthropol Suppl* 44:227.

Singh N., Harvati K. (2007). Morphological Integration in the Mandible of *Pan* and *Homo*: a 3Dgeometric Morphometric Study. International Congress of Vertebrate Morphology, Paris, France, July 16 – July 21. *J Morp*, 268.