

The [hfHypo cells](#) represent a novel tool for in vitro investigations on human GnRH neuron biology. TNFA may directly affect GnRH neuron function by interfering with [KISS1R](#) expression and ciliogenesis, thereby impairing kisspeptin signaling ¹⁾.

¹⁾

Sarchielli E, Comeglio P, Squecco R, Ballerini L, Mello T, Guarnieri G, Idrizaj E, Mazzanti B, Vignozzi L, Gallina P, Maggi M, Vannelli GB, Morelli A. Tumor Necrosis Factor α Impairs Kisspeptin Signaling in Human Gonadotropin-Releasing Hormone Primary Neurons. J Clin Endocrinol Metab. 2016 Oct 13:jc20162115. [Epub ahead of print] PubMed PMID: 27736314.

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