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Integrating cellular, animal and human genetic approaches to reveal multiple roles of semaphorin signalling in human reproduction

Human reproduction is regulated by a small number of hypothalamic neurons secreting the neurohormone GnRH. During development GnRH neurons migrate from the nasal placode to the hypothalamus by following the terminal nerve to position into the medial preoptic area of the hypothalamus. Once there, GnRH neurons project to the median eminence where the decapeptide is released and transported to the pituitary for the production of gonadotropins, which in turn regulate the production of gonadal sex steroids. During the seminar, I will illustrate how Semaphorins, a class of molecules that play key roles during embryonic development and cancer progression, play distinct but essential roles for the correct ...



Thursday
March 20, 2025



16.30 pm
to 17.30 pm



U3-BIOS building
room U3-04



Host: Ferrari
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