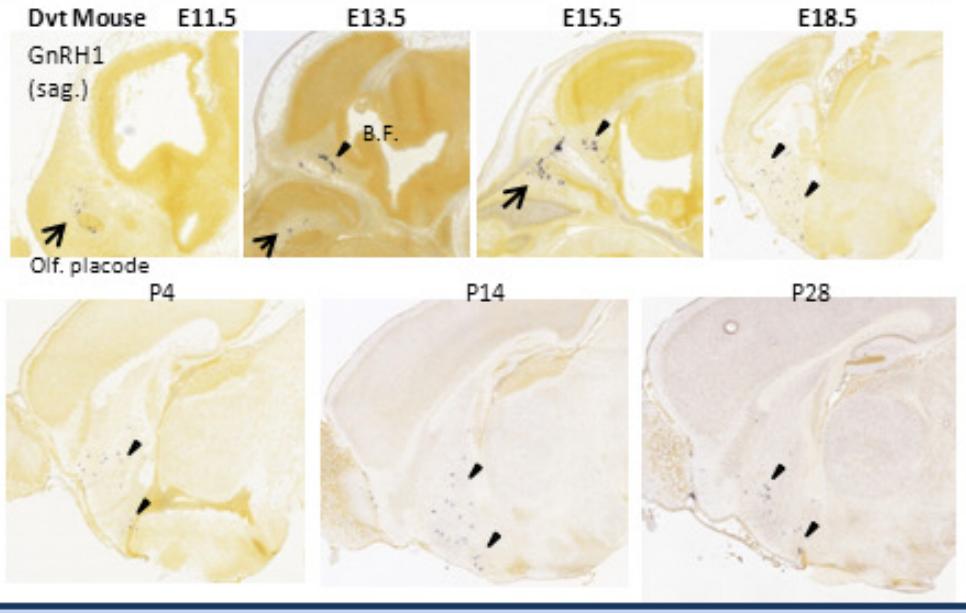
Migrations in the Forebrain:
Gonadotropin-releasing hormone (GnRH⁺) neurons

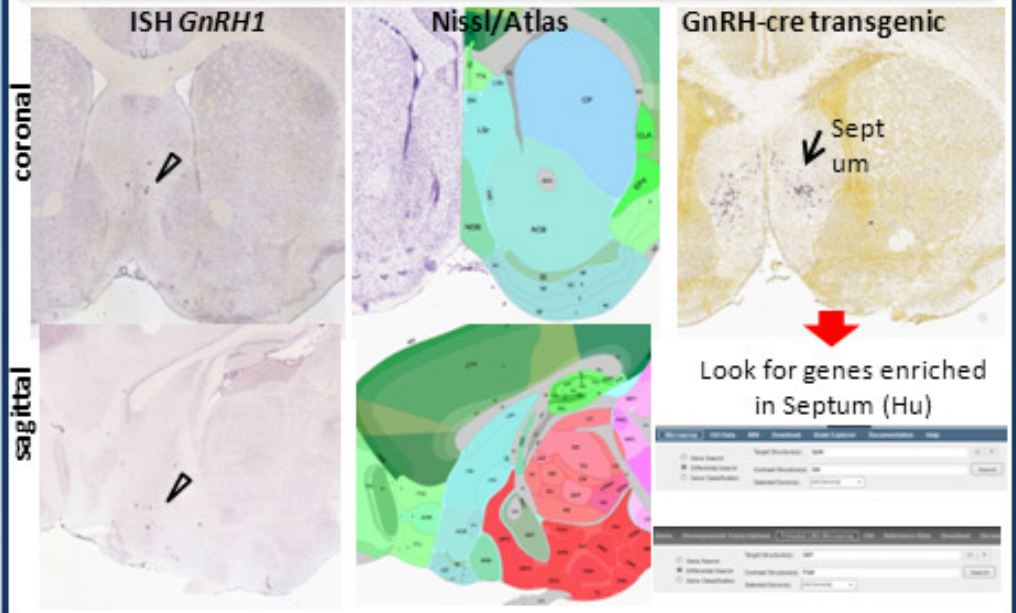
ALLEN INSTITUTE for BRAIN SCIENCE
Fueling Discovery

OIST

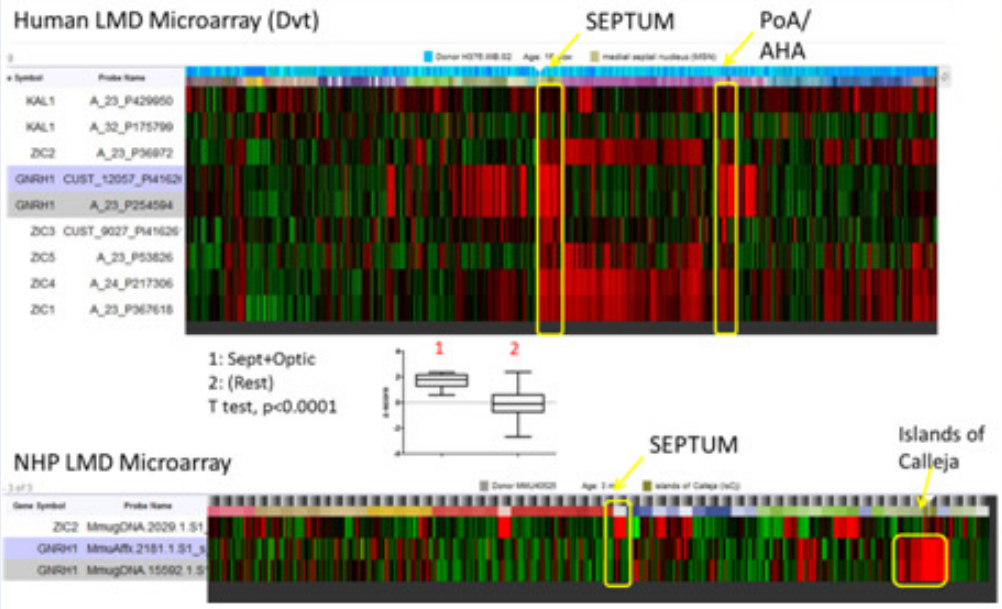
GnRH⁺ neurons migrate from the nose into the forebrain



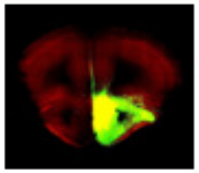
GnRH1 expression persists in the Adult Septum



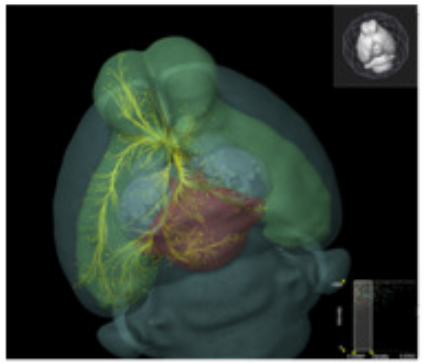
ZIC family (1-5) of Transcription Factors



Adult Connectivity:
Olf. regions to Septum and Hyp.



Exp. #114755099
Inj. site: Olfactory region (TT)



CONCLUSIONS

1) Tracked GnRH⁺ neuron migration during dvt.
2) Septum as a main final destination for GnRH⁺ neurons.
3) Zic family expression correlates with that of GnRH (putative genetic cause of Kallmann's syndrome?)

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