



WEEKLY GI RESEARCH WEBINAR

**"Molecular dissection
of the intestinal stem
cell niche"**

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The intestinal epithelium is a rapidly renewing tissue with intestinal stem cells that support tissue maintenance and regeneration. We will highlight the molecular interactions between the stem cells and their niche. Furthermore, we discuss how these interactions may become impaired in disease states and how they may be exploited for potential therapeutics.

References: (1) Yan KS et al., Intestinal enteroendocrine lineage cells possess homeostatic and injury-inducible stem cell activity. *Cell Stem Cell*. 2017 Jul 6;21(1):78-90. PMID 28686870. (2) Yan KS et al., Non-equivalence of Wnt and R-spondin ligands during Lgr5+ intestinal stem-cell self-renewal. *Nature*. 2017 May 11;545(7653):238-242. PMID: 28467820. (3) Janda C et al., Surrogate Wnt ligands that phenocopy canonical Wnt and β -catenin signalling. *Nature*. 2017 May 11;545(7653):234-237. PMID: 28467818.

JAN 28 • 4:00 PM

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