

Multi-omics human enteroendocrine cell atlas reveals novel secreted hormones and crosstalk



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Birth of an alliance





- study diversity of human enteroendocrine cells.
- gut hormone secretion -
- peptide hormone processing _



Production of region-specific human enteroendocrine cells in intestinal organoids







Production of region-specific human enteroendocrine cells in intestinal organoids









Induction of functional human EECs

Single cell transcriptome atlas of human enteroendocrine cells





Complementary analyses of Human EEC

proteome, secretome and bioactive peptides





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Complementary analyses of Human EEC

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CELLULAR COMPONENT

Human enteroendocrine cell secretome map



Novel EEC population-specific hormones and bioactive peptides



Proximal

New gut hormones





New isoforms \rightarrow new functional hormones from union exon 5 and 7.

High Resolution mRNA and Secretome Atlas of Human Enteroendocrine Cells

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