An islet from a recent-onset type 1 diabetes patient stained for insulin (pink), Class I MHC (red), the enteroviral capsid protein, VP1 (green) and DAPI (nuclei, blue). It demonstrates the hyper-expression of class I MHC which is a defining feature of islets undergoing active beta-cell loss. Also visible is the presence of virally-infected beta cells within the islet, which may have a role in the destructive process.

Credit: Dr Sarah Richardson, Professor Noel Morgan Endocrine Pharmacology, Institute of Biomedical and Clinical Science, University of Exeter Medical School, Plymouth, UK

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Melanocortin receptor accessory proteins in adrenal gland physiology and beyond
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