



PARIS - France
March 21-23, 2017

16th **F**at
Soluble
Vitamins
CONGRESS



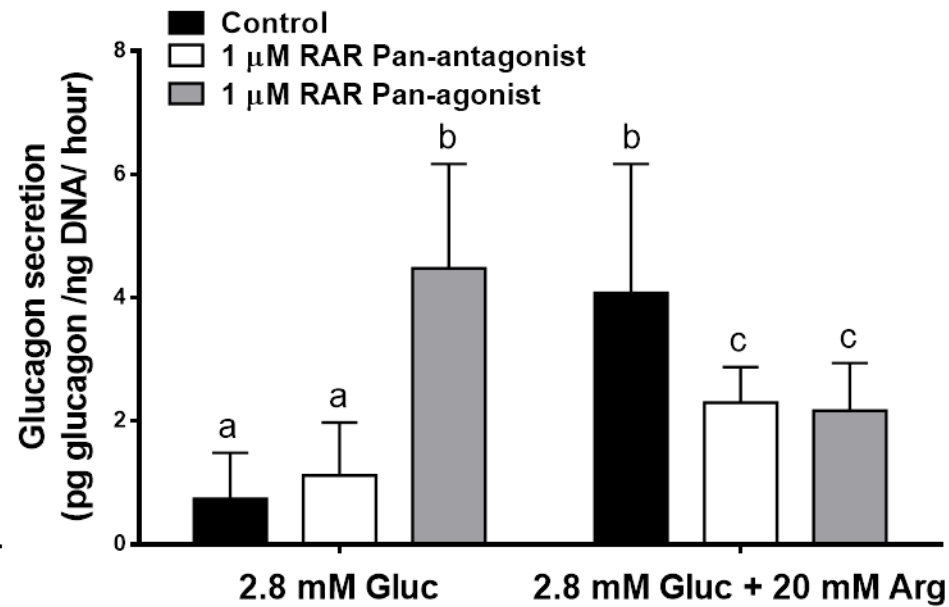
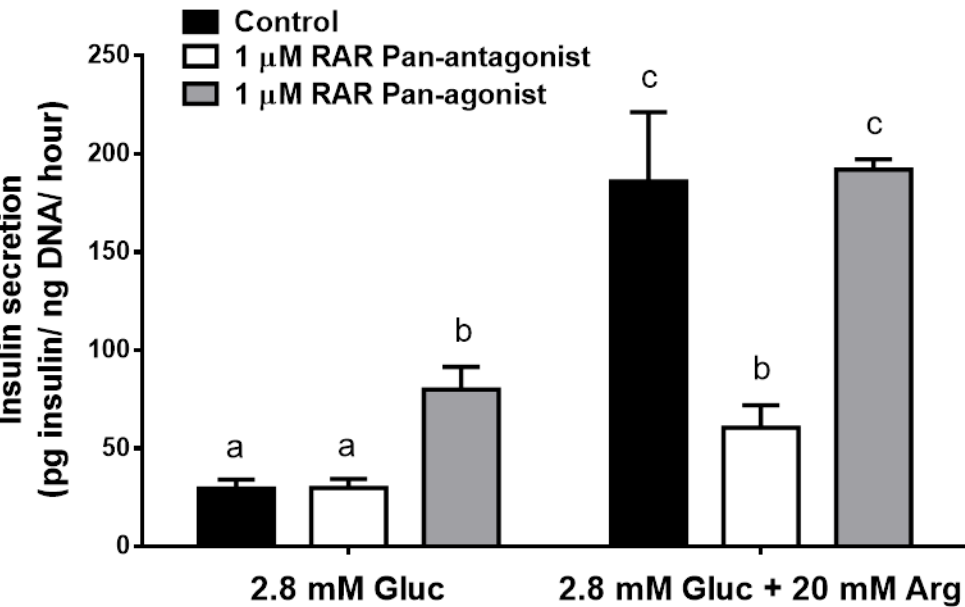
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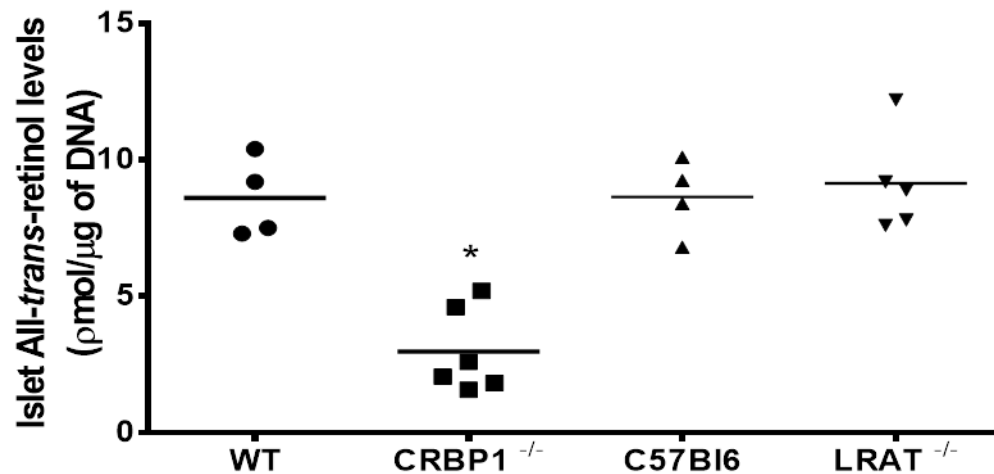
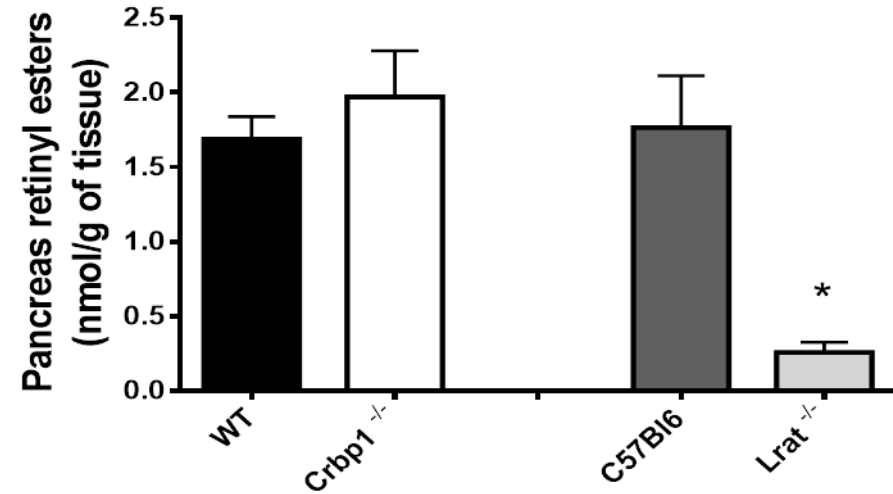
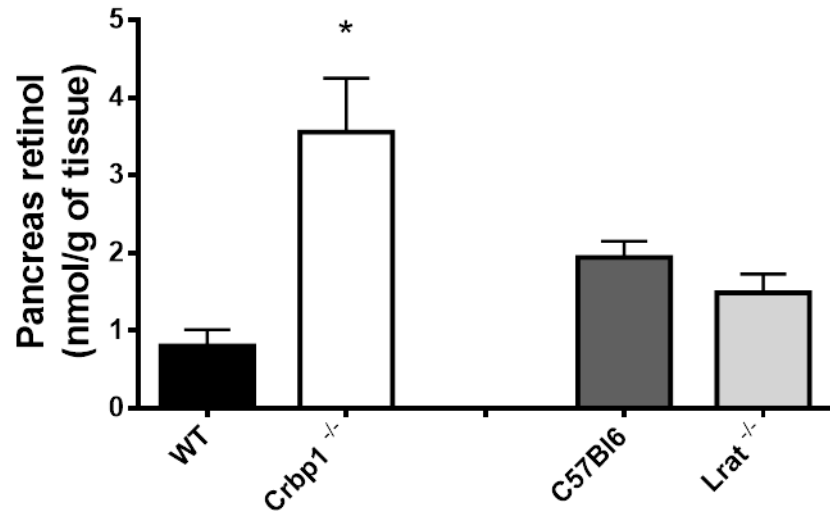
Pierre-Jacques Brun

**THE DUAL ROLE OF RETINOIC ACID SIGNALING
IN MODULATING INSULIN AND GLUCAGON
SECRETION**

RETINOIC ACID RECEPTOR SIGNALING REGULATE BOTH GLUCAGON AND INSULIN SECRETION



DESPITE AN INCREASE IN RETINOL IN WHOLE PANCREAS OF CRBP1^{-/-} MICE, ALL-TRANS-RETINOL LEVELS ARE DECREASED IN ISLETS



ISLETS FROM CRBP1^{-/-} MICE HAVE DECREASED GLUCOSE AND ARGININE STIMULATED INSULIN SECRETION AND ALTERED GLUCAGON SECRETION UPON ARGININE STIMULATION

